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DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES

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BULLETIN No. 39-W
SOUTHERN CALIFORNIA AREA INVESTIGATION

GROUND WATER LEVELS
AND PRECIPITATION RECORDS

IN

LOS ANGELES, SAN GABRIEL, AND SANTA ANA RIVER BASINS
AND ANTELOPE VALLEY

AND

WATER SUPPLY SUMMARY
FOR SOUTHERN PORTION OF CALIFORNIA
1954



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TABLE OF CONTENTS

	<u>Page</u>
ACKNOWLEDGMENT	iv
ORGANIZATION, STATE DEPARTMENT OF PUBLIC WORKS, DIVISION OF WATER RESOURCES	v
CHAPTER I. INTRODUCTION	
Authorization	2
Prior Reports	2
Scope of Report	4
CHAPTER II. WATER SUPPLY	
Precipitation	5
Runoff	6
Storage in Surface Reservoirs	8
Importations	10
Quality of Water	11
Changes in Ground Water Levels	19
Antelope Valley	19
Santa Clara River Valley	21
San Fernando Valley	24
San Gabriel Valley	25
Coastal Plain, Los Angeles County	28
Upper Santa Ana Valley	31
Coastal Plain, Orange County	34
San Jacinto Basin	37
San Luis Rey Valley	39
Tia Juana Basin	40

CHAPTER III. RECORDS OF GROUND WATER LEVELS

Records of Ground Water Levels at Wells in District "A"	43
Records of Ground Water Levels at Wells in District "B"	49
Records of Ground Water Levels at Wells in District "C"	55
Records of Ground Water Levels at Wells in District "D"	85
Records of Ground Water Levels at Wells in District "E"	99
Records of Ground Water Levels at Wells in San Jacinto Valley	111
Records of Ground Water Levels at Wells in Antelope Valley	121

CHAPTER IV. PRECIPITATION RECORDS

Monthly Precipitation Records at Selected Stations in Southern California Published by U. S. Weather Bureau	129
Precipitation Records for Season 1953-54	130

TABLES

<u>Table No.</u>	<u>Title</u>	
1	Precipitation Indices for Selected Areas in Southern California 1953-54	6
2	Estimated Seasonal Natural Runoff at Selected Stations in Southern California	7
3	Storage in Selected Surface Reservoirs in, or Supplying Water to, Southern California	9
4	Mineral Analyses of Surface Water at Selected Stations in Southern California	13
5	Mineral Analyses of Ground Water at Selected Wells in Southern California	15
6	Changes in Ground Water Level Elevations in Antelope Valley	20
7	Changes in Ground Water Level Elevations in Ventura County	22
8	Changes in Ground Water Level Elevations in San Fernando Valley	24

<u>Table No.</u>	<u>Title</u>	<u>Page</u>
9	Changes in Ground Water Level Elevations in San Gabriel Valley	27
10	Changes in Ground Water Level Elevations in Coastal Plain, Los Angeles County	30
11	Changes in Ground Water Level Elevations in Upper Santa Ana Valley	33
12	Changes in Ground Water Level Elevations in Coastal Plain, Orange County	36
13	Changes in Ground Water Level Elevations in San Jacinto Basin	38
14	Changes in Ground Water Level Elevations in San Luis Rey Valley	39
15	Changes in Ground Water Level Elevations in Tia Juana Basin	40

PLATES

Plates Nos. 1 and 2 are bound at end of report

<u>Plate No.</u>	<u>Title</u>
1	Location of Wells at Which Water Level Fluctuations are Shown
2	Fluctuation of Water Levels at Key Wells

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Many agencies and individuals have contributed data for this report. The sources of data presented in Chapter III are noted at the bottom of each page. Particular acknowledgment is made to the following:

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STATE DEPARTMENT OF PUBLIC WORKS
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GROUND WATER LEVELS
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WATER SUPPLY SUMMARY
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1954

CHAPTER I. INTRODUCTION

This report is the 24th of a series begun in 1932 in recognition of the need for collecting and publishing basic hydrologic data for use in the continuing study of water problems in southern California. The data presented hereinafter have been collected by numerous agencies and made available to the State Division of Water Resources for publication.

During the seasonal year 1953-54, the drought, which commenced in 1944-45, continued in southern California. The deficiency of precipitation at Los Angeles for the ten-year period 1944-45 through 1953-54 was 30.52 inches, as compared to the mean seasonal depth of precipitation of 14.81 inches. Subnormal precipitation was accompanied by subnormal runoff in southern California streams, with the 1953-54 flow of Arroyo Seco amounting to only 41.5 per cent of the mean.

Problems resulting from the wide monthly and seasonal variation in the magnitude of the natural water supply and the ever-increasing net use of water were alleviated to some degree by the importation of 557,460 acre-feet of water from Owens River-Mono Basin and from Colorado River in fiscal

year 1953-54. In spite of such importations, depletion of ground water supplies continued, as evidenced by further lowering of ground water levels.

Authorization

The Legislature, by Chapter 832, Statutes of 1929, directed that exploration and investigation be conducted for the furtherance of a coordinated plan for the conservation, development, and utilization of the water resources of southern California. As a result of this legislation, the Division of Water Resources has undertaken a continuing hydrologic study now known as the Southern California Area Investigation.

Prior Reports

As part of the investigation, Bulletin No. 39 was published in 1932, containing "Records of Ground Water Levels at Wells". Since 1932, water levels at selected wells have been published annually in Bulletins Nos. 39-A through 39-V. The locations and descriptions of the wells referred to in the earlier bulletins were published in Bulletin No. 39, and are shown on Maps 1 through 8, accompanying that bulletin. The locations and descriptions of wells in the San Jacinto and Antelope Valleys were first published in Bulletin No. 39-J, and are shown on Maps 9 through 11 included in that bulletin.

Seasonal precipitation data from United States Weather Bureau records, as well as from records at stations not included in official publications of that agency, were first published in Bulletin No. 39-A and have been incorporated in all subsequent publications of the series. Monthly records from a few key United States Weather Bureau stations were first published in Bulletin No. 39-D. A map showing the location of precipitation stations for which seasonal records are published was included in Bulletin No. 39-A.

Numerous other bulletins have been published by the Division of Water Resources from 1930 to date which include data on water use, ground water levels, quality of water, value and cost of water for irrigation, water losses and evaporation data, underground geology, and evaluation of overdraft on ground water basins in southern California. These bulletins include:

California State Department of Public Works, Division of Water Resources. "South Coastal Basin, A Symposium". Bulletin No. 32. 1930.

California State Department of Public Works, Division of Water Resources. "Rainfall Penetration and Consumptive Use of Water in Santa Ana River Valley and Coastal Plain". Bulletin No. 33. 1930.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Quality of Irrigation Waters". Bulletin No. 40. 1933.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Detailed Analyses Showing Quality of Irrigation Waters". Bulletin No. 40-A. 1933.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Value and Cost of Water for Irrigation in Coastal Plain of Southern California". Bulletin No. 43. 1933.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Water Losses Under Natural Conditions from Wet Areas in Southern California". Bulletin No. 44. 1933.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Geology and Ground Water Storage Capacity of Valley Fill". Bulletin No. 45. 1934.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Overdraft on Ground Water Basins". Bulletin No. 53. 1947.

California State Department of Public Works, Division of Water Resources. "Southern California Area Investigation, Memorandum Report on Water Conditions in Antelope Valley in Kern, Los Angeles and San Bernardino Counties". February, 1955.

Scope of Report

The early reports of the Bulletin No. 39 series were limited to publication of records of ground water levels in the Santa Ana, San Gabriel, and Los Angeles River Valleys and the West and South Coastal Plains. Subsequently, precipitation records were added and the area extended to include the San Jacinto and Antelope Valleys. Commencing in 1948, a general water supply summary for the southern portion of the State was added, containing information on precipitation, runoff, surface reservoir storage, importations, water quality, and changes in ground water levels. This report includes, in addition to a water supply summary for 1953-54, a compilation of precipitation records for the period July 1, 1953, through June 30, 1954, and records of ground water levels for the 1954 calendar year.

The data are presented under four chapter headings as follows:

(1) Introduction, (2) Water Supply, (3) Records of Ground Water Levels, and (4) Precipitation Records. Fifteen tables summarizing water supply data are included with the text of Chapter II, and two plates pertaining to ground water data are bound at the end of the report.

CHAPTER II. WATER SUPPLY

Precipitation

The seasonal year 1953-54, July 1 through June 30, was the ninth year of subnormal precipitation since 1943-44. Seasonal depths of precipitation recorded at United States Weather Bureau stations in Los Angeles and San Diego during the year were 11.99 inches, or about 81 per cent of the mean, and 9.13 inches, or approximately 88 per cent of the mean, respectively.

It is interesting to note that less precipitation occurred at the Los Angeles station during the 1953 calendar year than during any previous calendar year of record at that station, with only 4.08 inches of precipitation being recorded. The station at San Diego reported only 3.41 inches of precipitation during the calendar year 1953, the second driest year in the 104-year record of the station.

Table 1 presents precipitation indices for selected areas in southern California during the season July 1, 1953, through June 30, 1954. These indices are arithmetical averages of the precipitation indices for several stations within the area, and are based on 50-year means for the period 1897-98 through 1946-47. Seasonal precipitation records for individual stations are tabulated in Chapter IV.

TABLE 1

PRECIPITATION INDICES FOR SELECTED AREAS
IN SOUTHERN CALIFORNIA
1953-54

Area	:	Index
Chino		92
Coastal Plain		89
Riverside		94
San Bernardino		92
San Diego*		88
San Fernando Valley		76
San Gabriel Valley		84

* United States Weather Bureau Station,
Lindbergh Field, San Diego.

Runoff

As previously mentioned, runoff in southern California in 1953-54 was again below normal. The estimated seasonal natural runoff at Matilija Creek near Matilija and Santa Ana River near Mentone was only 28 per cent and 67 per cent of the means, respectively.

Despite subnormal runoff from mountain and foothill areas, in excess of 70,000 acre-feet of water discharged to the ocean from Los Angeles River during the year 1953-54, largely occurring from impervious valley floor areas.

Estimated seasonal natural runoff at selected stations in southern California in 1953-54 is presented in Table 2, together with a comparison of mean, maximum, and minimum runoff for each station for the 53-year period, 1894-95 through 1946-47.

TABLE 2

ESTIMATED SEASONAL NATURAL RUNOFF AT SELECTED STATIONS IN SOUTHERN CALIFORNIA

In Acre-Feet

Station	Period of record	1953-54	Mean ^a	Maximum ^b		Minimum ^b	
				1953-54	Mean ^a	Season	Amount	Season	Amount
Matilija Creek at Matilija	1927 to date	7,840	28,200	1940-41	125,300	1950-51	1,260
Sespe Creek near Fillmore	1934 to date	33,090	93,900	1940-41	376,000	1950-51	3,520
Piru Creek near Piru	1911-13; 1927 to date	15,660	53,700	1940-41	226,000	1898-99	900
Arroyo Seco near Pasadena	1910 to date	3,030	7,300	1921-22	25,400	1890-99	160
San Gabriel River near Azusa	1894 to date	61,910	122,000	1921-22	410,000	1890-99	9,620
Santa Ana River near Mentone	1896 to date	47,050	70,600	1915-16	280,000	1950-51	13,090
San Jacinto River near San Jacinto	1920 to date	14,100	28,900	1915-16	124,000	1950-51	2,070
Santa Ysabel Creek near Mesa Grande	1912-28; 1936 to date	4,740	15,200	1915-16	95,200	1950-51	830

a. Mean for period 1894-95 through 1946-47.

b. Indicated maxima and minima are recorded or estimated values for period 1894-95 to date.

Storage in Surface Reservoirs

Amounts of water in surface storage in southern California continued to be meager for the most part in 1953-54. Usable storage in eleven City of San Diego reservoirs, which contain both local runoff and imported Colorado River water, was only 18 per cent of total usable capacity on September 30, 1954. Amounts in usable storage in Lakes Henshaw and Hemet and Vail Reservoir amounted to only 3 per cent, 5 per cent, and 12 per cent of usable capacities, respectively, on this date. Table 3 presents storage in selected reservoirs in, or supplying water to, southern California.

TABLE 3

STORAGE IN SELECTED SURFACE RESERVOIRS IN, OR
SUPPLYING WATER TO, SOUTHERN CALIFORNIA

Reservoir	Usable capacity, in acre-feet	Usable water in storage on	
		September 30, 1954	In per cent of
		In acre-feet	usable capacity
Grant Lake on Rush Creek	47,520	25,790	54
Long Valley Reservoir on Owens River	183,500	114,570	62
Tinemaha Reservoir on Owens River	16,400	11,940	73
Haiwee Reservoir in Rose Valley	58,520	25,830	44
Bouquet Reservoir on Bouquet Creek	36,500	36,320	99
Lake Mead on Colorado River	27,207,000	13,739,000	50
Santiago Reservoir on Santiago Creek	25,000	8,690	35
Bear Valley Reservoir on Bear Creek	72,400	16,470	23
Lake Hemet on San Jacinto River	13,350	720	5
Vail Reservoir on Temecula Creek	49,520	5,730	12
Lake Henshaw on San Luis Rey River	194,300	5,910	3
San Dieguito Lake on a tributary of Escondido Creek	590	290	49
Sutherland Lake on Santa Ysabel Creek	28,270	700	2
Lake Hodges on San Dieguito River	31,520	3,750	12
San Vicente Lake on San Vicente Creek	86,940	38,000	44
El Capitan Lake on San Diego River	115,800	14,990	13
Murray Lake in Chapparel Canyon	5,230	3,970	76
Lake Loveland on Sweetwater River	25,250	560	2
Sweetwater Reservoir on Sweetwater River	27,690	9,980	36
Morena Lake on Cottonwood Creek	49,320	1,450	3
Barrett Lake on Cottonwood Creek	41,740	240	1
Upper Otay Lake on Proctor Valley Creek	2,420	970	40
Lower Otay Lake on Otay River	53,590	12,430	23

During 1953-54, Lake Elsinore in Riverside County once again became dry, compared to a depth of nine feet in April of the water year 1951-52, the only "wet" year within the afore-mentioned drought.

The water surface of the Salton Sea was 236.0 feet below sea level on September 30, 1954, or 1.2 feet higher than this date in the previous year. The water surface elevation was the highest since 1916 on June 30, 1954, when a surface elevation of 235.5 feet below sea level was reported.

With the view of increasing available surface storage for purposes of conservation or flood control, construction of two major dams was initiated in 1954. United Water Conservation District's \$5,000,000 earthfill Santa Felicia Dam on Piru Creek in Ventura County is scheduled for completion in late 1955, and will have a storage capacity of 100,000 acre-feet. San Antonio Dam, located about five miles northwest of the City of Upland in the mouth of San Antonio Canyon, is being constructed under the direction of U. S. Army, Corps of Engineers. The 3,850-foot long, earthfill, flood control dam, will rise 160 feet above stream bed, and will have a capacity of 9,110 acre-feet. Its construction will extend over a period of about two years and will cost in excess of seven million dollars.

Importations

Approximately 311,500 acre-feet of water were imported from Owens River-Mono Basin by City of Los Angeles Department of Water and Power during fiscal year 1953-54, representing about 70 per cent of total water imported, purchased, or produced locally by the City in that year. The Los Angeles Aqueduct was operated at full capacity, or about 450 second-feet, during the year, except for periods of shutdown.

Approximately 245,960 acre-feet of Colorado River water were delivered by The Metropolitan Water District of Southern California during fiscal year 1953-54, as compared with a delivery of 162,302 acre-feet for the previous year. A reported 51,946 acre-feet of water were delivered in August, 1954, the maximum monthly delivery in the history of the District. The 1953-54 diversions amounted to only about 21 per cent of the ultimate planned capacity of the Colorado River Aqueduct. About one-half of the amount delivered, 127,445 acre-feet, was unsoftened water, of which 67,370 acre-feet were delivered to San Diego County Water Authority.

The second barrel of the San Diego Aqueduct was completed in fall of 1954. The annual report of the Metropolitan Water District for fiscal year 1953-54 stated that the completion of the second barrel increased the total Aqueduct capacity from a design flow of 85 second-feet for the first barrel, completed in fall of 1947, to a capacity of 180 second-feet from San Jacinto Reservoir to the Fallbrook Turnout, and 165 second-feet from this point to the City of San Diego's San Vicente Reservoir.

During fiscal year 1953-54, no new areas were annexed to the Metropolitan Water District, except within San Diego County Water Authority, where Rainbow, Poway, Bueno Colorado, Rincon del Diablo, and Carlsbad Municipal Water Districts were annexed in April and June. These annexations and general area development increased assessed valuation of the Metropolitan Water District to approximately six and one-half billion dollars in March, 1954.

Quality of Water

Other than isolated instances of surface and ground water pollution

occasioned by improper disposal of sewage or industrial wastes, the chief water quality problem in southern California continued to be sea-water intrusion. Degradation of ground water quality from this source was observed in Oxnard Plain and West Coast Basins, East Coastal Plain Pressure Area, and the Santa Margarita, San Luis Rey, and Mission Valleys. Analyses of samples from surface sampling stations and selected wells in southern California are shown in Tables 4 and 5.

TABLE 4

MINERAL ANALYSES OF SURFACE WATER
AT SELECTED STATIONS IN SOUTHERN CALIFORNIA

Station number	Station	Date sampled	ECx10 ⁶ at 25°C	Ca	Mg	Na+K	HCO ₃	SO ₄	Cl	NO ₃	B	Total hardness as CaCO ₃ in ppm
S7733	Big Rock Creek SE. of Pearblossom, and about 300 feet upstream from confluence with Pallett Creek	8-4-54	440	47	24	25	201	88	1	6	0.06	216
619-95	Mojave River NW. of Victorville and about 0.2 mile SE. of U.S. Highway No. 91 bridge	9-6-54	405	38	9	37	173	34	27	1	0.08	132
42-5.7	Ventura River N. of Ventura, in Foster Memorial Park, 300 feet downstream from highway bridge at U.S.G.S. gaging station	9-7-54	1,150	152	40	62	339	306	56	4	0.50	544
43-17.0	Santa Clara River E. of Santa Paula, and about 1.5 mile upstream from Willard bridge	9-7-54	2,115	226	86	192	337	874	97	5	0.88	918
S2771-G-10	Los Angeles River NE. of Los Angeles at Figueroa St.	9-21-54	2,331	101	51	389	288*	374	448	4	0.94	462
S2927-I-13	Rio Hondo NE. of Montebello about 0.1 mile upstream from San Gabriel Blvd. bridge	9-6-54	1,765	78	2	287	378	228	261	18	0.20	314

MINERAL ANALYSES OF SURFACE WATER
AT SELECTED STATIONS IN SOUTHERN CALIFORNIA
(continued)

Station number	Station	Date sampled	ECx10 ⁶ at 25°C	Ca	Mg	Na+K	HCO ₃	SO ₄	Cl	NO ₃	B	Total hardness as CaCO ₃ in ppm
S2947-I-13	San Gabriel River SW. of El Monte, and 0.5 mile upstream from Whittier Narrows Dam	9-6-54	926	76	29	88	171	252	69	3	0.08	309
S18260-G-32	Mill Creek E. of Mentone, at Southern California Edison Plant No. 2	1-20-54	490	62	15	16	146	102	12	7	0.00	216
S18001-G-28	Warm Creek San Bernardino at "F" St.	9-6-54	529	71	23	28	283	72	13	11	0.08	272
S16933-J-24	Santa Ana River W. of Riverside at Pedley Road	9-6-54	866	81	29	98	205*	244	82	7	0.08	321
93-20.0	Santa Margarita River N. of Fallbrook, about 0.5 mile downstream from confluence with Sandia Creek	9-13-54	1,058	75	26	136	382*	87	122	5	0.18	294
94-28.0	San Luis Rey River SE. of Pala at Pala Diversion Dam	9-13-54	500	52	18	45	173	108	28	3	0.04	204
923-6.0	Tia Juana River at International Boundary	5-13-54	2,639	89	62	358	241*	163	648	5	0.34	477

* Includes small equivalent quantity of carbonate (CO₃).

TABLE 5

MINERAL ANALYSES OF GROUND WATER
AT SELECTED WELLS IN SOUTHERN CALIFORNIA

Well number	Owner and location	Date sampled	Total hardness, in parts per million	Ca	Mg	Na+K	HCO ₃	SO ₄	Cl	NO ₃	Per cent CaCO ₃	Per cent Na	
<u>Oxnard Forebay Basin</u>													
2M/22W-12G1	United Concrete Pipe Corporation One mile SE. of Saticoy, and 200 feet NE. of Del Norte Ave. and 500 feet SE. of Vineyard Ave.	6-25-54	1,242	123	16	118	262	446	50	6	0.60	495	33
<u>Oxnard Plain Basin</u>													
1M/22W-3F4	City of Oxnard Oxnard; 200 feet E. of Saviers Rd. and 100 feet N. of Third St.	6-29-54	1,410	149	48	97	276	442	51	19	0.73	568	26
<u>San Fernando Valley</u>													
A-84V-E-7	Polar Water Company Three miles W. of Burbank, 198 feet S. of Burbank Blvd. and 154 feet E. of Denny Ave.	11-18-51	444	60	13	24	216	48	9	9	0.08	205	17
<u>Raymond Basin Area</u>													
C-16-P-11	City of Pasadena Copelin well Pasadena; 142 feet E. of Mentone Ave. and 118 feet N. of Manzanita St.	6-30-54	--	52	17	27	216	36	16	8	--	199	23
<u>Main San Gabriel Basin</u>													
C-245-C-14	City of Monrovia Three miles S. of Monrovia, and 400 feet E. of Peck Rd. and 200 feet N. of Jeffries Ave.	7-21-54	418	60	17	16	232	21	8	32.2	0.06	220	13

MINERAL ANALYSES OF GROUND WATER
AT SELECTED WELLS IN SOUTHERN CALIFORNIA
(continued)

Well number	Owner and location	Date sampled	ECx10 ⁶ at 25°C.	Ca	Mg	Na+K	HCO ₃	SO ₄	Cl	NO ₃	B	Total hardness as CaCO ₃ , in ppm
<u>Montebello Forebay Area</u>												
C-315u-J-13	La Habra Heights Mutual Water Company Judson No. 3 well Two miles W. of Whittier, and 1050 feet W. of Horwalk Blvd. and 1600 feet southerly from Dunlap Crossing Road along an unnamed road	11-15-54	781	100	23	36	281	106	41	22	0.06	344
												17
<u>Central Coastal Plain Pressure Area</u>												
C-372t-X-11	Los Angeles County Farm Two miles S. of Downey, and 1600 feet S. and 200 feet W. of intersection of Imperial Hwy. and road entering County Farm from north	11-15-54	490	59	16	30	254	40	10	4	0.12	213
												21
<u>West Coast Basin</u>												
R-154-J-10	The Texas Company No. 5 well Three miles N. of Long Beach, and 442 feet E. and 1046 feet N. of intersection of S. property line of Pacific Coast Hwy., and E. property line of A.S.F.R.R.	7-30-54	362	15	5	69	193	1	26	3	0.10	58
												70

MINERAL ANALYSES OF GROUND WATER
AT SELECTED WELLS IN SOUTHERN CALIFORNIA
(continued)

Well number	Owner and location	Date sampled	ECx10 ⁶ at 25°C.	Ca	Mg	Na+K	HCO ₃	SO ₄	Cl	NO ₃	B	Total hardness as CaCO ₃ , in ppm
<u>Chino Basin</u>												
D-726c-J-21	City of Ontario No. 4 well Two miles NE. of Ontario, and 90 feet S. of Fourth St. and 300 feet E. of Grove Ave.	9-22-54	378	48	10	16	188	16	6	15	0.00	150
<u>Bunker Hill Basin</u>												
E-29-G-28	City of San Bernardino Hanford No. 1 well San Bernardino; 170 feet E. of "D" St., and 60 feet S. of Second St.	9-30-54	325	43	10	21	195	13	9	9	0.12	148
<u>Santa Ana Forebay Area</u>												
C-974u-M-16	Southern California Water Company La Jolla No. 2 well Three miles SE. of Fullerton, and 530 feet N. of La Jolla St., and 30 feet W. of Vista St.	12-15-54	1,010	108	23	71	298	108	99	17	0.00	364
<u>East Coastal Plain Pressure Area</u>												
C-987aa-N-14	Mountain Properties Inc. Three miles W. of Garden Grove, and 125 feet S. of Stanford Ave. and 258 feet E. of Sycamore St.	12-15-54	490	54	11	34	210	40	23	1	0.00	180

MINERAL ANALYSES OF GROUND WATER
 AT SELECTED WELLS IN SOUTHERN CALIFORNIA
 (continued)

Well number	Owner and location	Date sampled	ECx10 ⁶	Ca	Mg	Na+K	HCO ₃	SO ₄	Cl	NO ₃	B	Mineral constituents, in parts per million	Total hardness : per cent as CaCO ₃ , : in ppm : Na
<u>San Luis Rey Valley</u>													
11S/4W-18B1	S. Davies Three miles NE. of Oceanside, and 7700 feet NE. of intersec- tion of Mission Rd. and Mesa Dr. along Mission Rd. and 1760 feet W. of Mission Rd.	7-26-54	1,111	88	28	107	259	87	170	6	0.09	338	39
<u>Elia Juana Basin</u>													
19S/2W-4A5	Califorrria Water and Telephone Company Well No. 5, South Basin Plant Three miles W. of San Ysidro, and 720 feet W. of National Ave. and 1500 feet S. of Sunset Ave.	7-15-54	2,390	146	58	276	360	304	429	5	0.31	605	49

Changes in Ground Water Levels

The general decline in ground water levels in the southern portion of the State continued from the fall of 1953 to the fall of 1954, with some water levels dropping to minimum elevations of record. A succinct summary of ground water conditions in certain of the ground water basins delineated on Plate 1 is presented hereinafter. Plate 1 also shows locations within these basins of selected wells for which fluctuations of ground water levels are shown on Plate 2. Changes in ground water level elevations from the fall of 1953 to the fall of 1954 and maximum and minimum water level elevations observed during the period of record at selected wells in the South Coastal Area and Antelope Valley are presented in Tables 6 through 15.

Antelope Valley

Net use of ground water in Antelope Valley has exceeded ground water replenishment for the past quarter century, occasioning a steady decline in ground water levels. The average decline between the fall of 1953 and the fall of 1954 was observed to be approximately six feet, with depths to ground water being as much as 265 feet about ten miles southeast of Littlerock. Table 6 shows changes in ground water level elevations at 17 wells in the Valley.

TABLE 6

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN ANTELOPE VALLEY

In Feet

Well numbers	R.P.	Beginning	Depth to	Change	Date and extreme			
Bulletin :	eleva-	of	ground water	in :	ground water level			
No. 39-J : Location :	tion :	record :	Fall : Fall	eleva-:	elevations of record			
			1953 : 1954	tion :	Maximum : Minimum			
5N/ 9W- 6A	8944	2,347.3	1940	57.5	64	- 6	7-29-44	7-20-54
							2,820.9	2,783.3
5N/10W- 6A	8825	2,777	1926	122.1	131.5	- 9.4	3- 2-45	8-17-54
							2,692	2,640
5N/10W-26A	7700	3,155	1940	51.2	55.0	- 3.8	11-24-52	11- 5-51
							3,113	3,098
5N/11W-10A	8787	2,836	1927	112.7	118.6	- 5.9	7-28-44	8-13-38
							2,799	2,690
6N/ 8W-18A	10338	2,725	1939	164.3	165	- 1	11-13-39	11- 3-31
							2,566	2,560
6N/10W-27A	8871A	2,677	1940	158.8	162.5	- 3.7	12-15-43	11- 8-34
							2,528	2,511
6N/11W- 4A	10045A	2,431	1942	222.1	229.9	- 7.8	12- 5-42	11-18-34
							2,333	2,251
6N/13W-12A	9897	2,607.5	1940	260.1	262.7	- 1.9	5-31-40	11-10-54
							2,373.3	2,344.3
7N/12W-15C	11259B	2,348.5	Prior to 1924	33.3	36.3	- 3.0	Flowing 1924	3-17-30
							2,343.5	2,245.4
7N/13W-17A	11119	2,421.7	1937	153.4	156.5	- 3.1	3- 3-39	11-13-54
							2,336.1	2,280.7
7N/13W-21C	9842A	2,373.0	1942	129.3	140.6	-10.3	11-21-42	11-15-54
							2,309.0	2,232.4
7N/10W-21A	10161	2,465.3	1943	197.2	211.6	-14.4	3-13-45	11- 9-54
							2,323.3	2,255.7
8N/12W-22B	11253	2,302	1943	26.0	26.7	- 0.7	Flowing 1943	10-19-54
							2,302	2,275
8N/14W-14A	11072	2,495.5	1943	136.1	146.6	-10.5	5- 1-44	11- 1-54
							2,353.8	2,290.9
8N/10W- 2A	12709	2,310	1941	32.2	34.9	- 2.7	1-21-41	11-10-54
							2,300	2,273
8N/15W-33A	10926	2,931	1946	237.1	247.3	- 10.2	1-25-46	11-18-54
							2,770	2,740
8N/16W- 5A	12099	2,901	1942	230.1	240.3	- 10.2	5- 1-44	11- 1-54
							2,711	2,680

Santa Clara River Valley

Oxnard Plain Basin. Pressure levels underlying most of the Oxnard Plain Basin were below sea level in the fall of 1954, with some levels in the trough in the piezometric surface, observed about two to three miles inland from the coast, being as much as 50 feet below sea level. The ingress of sea water continued, especially in the Point Mugu and Port Hueneme areas. Ground water levels exhibited about a four-foot drop between the fall of 1953 and the fall of 1954.

Oxnard Forebay Basin. Despite large withdrawals from ground water storage in Oxnard Forebay Basin, there was little change in observed depths to ground water in 1953-54, due, in part, to the spreading of approximately 20,000 acre-feet of local runoff at United Water Conservation District's Saticoy spreading grounds.

Ground water level elevation changes in selected basins in Ventura County occurring in 1953-54 are presented in Table 7.

TABLE 7

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN VENTURA COUNTY

In Feet

Well numbers	: R.P.	: Beginning	: Depth to	: Change	: Date and extreme				
: State	: County	: eleva- : tion	: of : record	: Fall : 1953	: Fall : 1954	: eleva- : elevations	: elevations of record	: Maximum	: Minimum
<u>Ojai Valley</u>									
4N/22W- 5L8	8-L- 5A	891.7	1924	157.2	160.0	- 2.8	4-28-41 841.2	9-11-51 579.7	
4N/23W- 1L1	7-L- 1	787.2	1927	18.5	18.6	- 0.1	4-28-41 785.1	10-20-30 761.7	
<u>Oxnard Plain Basin</u>									
1N/21W-17E1	11-V- 8	30.7	1930	59.1	58.9	+ 0.2	5- 2-44 29.7	4-27-48 -55.5	
1N/22W- 3F4	9-U- 9	54.5	1916	70.0	78.0	- 8.0	Flowing spring 1917 54.5	8-31-51 -24.5	
1N/22W-17C1	8-V- 1	20.1	1927	33.8	37.6	- 3.8	Flowing 1948 20.1	8-24-51 -19.1	
1N/22W-23J1	10-V- 4	26.0	1927	54.5	57.8	- 3.3	1- 6-28 25.8	7-16-51 -34.1	
<u>Oxnard Forebay Basin</u>									
2N/21W- 6P1	11-R- 3	150.2	1930	90.4	91.2	- 0.8	3-17-47 139.1	9-27-51 47.0	
2N/22W-23H3	10-S-15	109.8	1927	98.0	97.8	+ 0.2	4-26-44 78.6	11-14-51 -4.1	
2N/22W-27E1	9-T- 5	70.8	1927	76.4	77.2	- 0.8	5- 3-44 59.8	9-18-51 -15.0	
<u>Santa Paula Basin</u>									
2N/22W- 2K4	10-R-12	158.2	1930	11.0	11.0	0.0	Flowing 1- 2-53 158.2	1- 1-51 134.6	
3N/21W-11E2	13-O- 4	317.1	1929	89.1	90.8	- 1.7	3-20-41 259.2	10-14-51 210.4	

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN VENTURA COUNTY

In Feet
(continued)

Well numbers	R.P.	Beginning elevation	of record	Depth to ground water	Fall 1953	Fall 1954	Change in elevation	Date	and extreme ground water level elevations of record
State	County	tion	record	1953	1954	tion	Maximum	Minimum	

Santa Paula Basin (continued)

3N/21W-20M1	11-P- 1	231.1	1912	47.9	50.6	- 2.7	5- 8-41 206.9	8-21-51 173.3
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Fillmore Basin

3N/20W- 6J1	14-O- 3	307.5	1922	16.2	15.7	+ 0.5	1- 9-39 302.8	8-17-51 285.5
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4N/20W-36N2	16-N- 5	376.4	1927	20.3	24.4	- 4.1	5- 6-41 379.9	12-13-51 334.2
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Piru Basin

4N/18W-19P1	20-M- 5	665.7	1947	159.5	171.7	-12.2	1- 2-47 560.7	12- 1-51 449.1
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4N/19W-25L4	19-W- 6A	583.0	1927	81.4	87.5	- 6.1	4-26-41 573.4	12- 7-51 448.4
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Pleasant Valley Basin

1N/21W-11G1	13-U-21	54.7	1936	120.7	121.0	- 0.3	5-20-41 30.8	7-17-51 -74.7
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2N/21W-34J1	12-T- 7	83.0	1931	128.6	144.7	-16.1	3-11-32 40.7	7-15-54 -61.7
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2N/21W-36F1	13-T-26	134.3	1946	177.5	184.9	- 7.4	9-24-46 2.9	7-15-54 -50.6
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Las Posas Valley

2N/20W-10R1	15-R- 3	355.8	1927	180.8	182.9	- 2.1	1-10-28 309.4	12-31-54 172.9
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2N/21W-16P1	12-S- 2	326.9	1927	280.3	278.5	+ 1.8	7-15-27 115.1	8-31-53 43.6
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Simi Basin

2N/18W- 8C2	20-R- 6	746.4	1929	62.4	76.4	-14.0	Flowing, 1930 746.4	-24-54 670.0
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2N/18W-12L3	22-R- 5	949.1	1929	200.6	205.6	- 5.2	10-13-29 26.3	6-22-54 743.3
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San Fernando Valley

In the central and eastern portions of San Fernando Valley, observed ground water levels dropped about six feet in 1953-54, as compared to an average drop of two feet in the western portion. Depths to ground water varied from a minimum of approximately three feet in the western region to a maximum of about 270 feet about four miles north of Van Nuys. Approximately 9,600 acre-feet of water were spread at City of Los Angeles and Los Angeles County Flood Control District's artificial recharge projects in the Valley during 1953-54. The net drop in ground water levels at selected wells from the fall of 1953 to the fall of 1954 is presented in Table 8.

TABLE 8

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN SAN FERNANDO VALLEY

In Feet

Well numbers	R.P.	Beginning	Depth to	Change	Date and extreme			
Serial	Location	elevation	ground water	in	ground water level	of record		
		of record	1953	1954	elevation	Maximum	Minimum	
			of Fall	of Fall				
<u>Verdugo Basin</u>								
A-98	3961	965.2	1931	44.2	50.2	-6.0	10-20-44 941.7	10-20-50 881.0
<u>San Fernando Basin</u>								
A-15	4757A	791.2	1920	7.9	11.4	-3.5	5- 7-52 785.8	2-25-21 765.9
A-31	4855	903.0	1910	261.6	269.4	-7.8	7-12-44 715.4	10-12-54 633.6
A-62a	3620	769.9	1922	14.5	16.1	-1.6	2-25-41 766.6	12-10-54 753.8
A-81r	3803C	643.2	1933	51.1	55.3	-4.2	5- 3-44 638.2	11-19-54 587.9
A-90p	3872D	546.0	1928	58.0	66.3	-8.3	4-18-41 542.9	12- 7-54 479.7

San Gabriel Valley

Raymond Basin Area. In general, ground water levels in Pasadena Subarea of Raymond Basin Area rose about one foot between the fall of 1953 and the fall of 1954. Ground water levels dropped an average of approximately ten feet in Santa Anita Subarea during 1953-54. City of Sierra Madre and Los Angeles County Flood Control District spread about 840 acre-feet of water within this Subarea during the year. Since July 1, 1944, the use of ground water in Raymond Basin Area has been controlled by Court decree.

Main San Gabriel Basin. Although elevation of ground water at the historic "Baldwin Park Well", well No. C-294a, was the same in the fall of 1954 as it was in the fall of 1953, ground water levels in Main San Gabriel Basin dropped an average of about three feet during the year. Depths to ground water in this Basin in 1954 varied widely from about 300 feet near Azusa to zero in the area of rising water at Whittier Narrows. In some areas of the Basin, ground water levels in the fall of 1954 were lowest of record as indicated in Table 9.

TABLE 9
CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN SAN GABRIEL VALLEY

In Feet

Well numbers	R.P.	Beginning	Depth to	Change	Date and extreme			
Serial	Location	elevation	ground water	in	ground water level			
		of record	of 1953	Fall 1954	elevation			
					Maximum			
					Minimum			
<u>Raymond Basin Area</u>								
C-16	4043A	916.5	1904	257.4	251.6	+5.8	5- 2-16	10-16-33
							767.4	614.0
C-28	4057H	749.9	1904	110.8	109.8	+1.0	1-22-10	2-10-39
							721.2	608.3
C-47	4115C	698.8	1923	155.5	155.8	-0.3	5-15-23	10- 6-41
							603.3	511.2
C-55	4076	736.3	1920	185.6	182.8	+2.8	2-23-23	9- 2-38
							643.7	529.0
C-130	4163	677.0	1900	188.2	198	-10	2-22-16	9-30-49
							578.2	470.7
<u>Main San Gabriel Basin</u>								
C-212f	2902B	308	1931	105	111	-6	4- 1-45	8-15-54
							260	197
C-241	4177	416.6	1919	158.2	162.9	-4.7	8-11-44	10-19-51
							317.0	253.4
C-294a	3030F	387.7	1903	134.2	134.2	0.0	5-19-16	11-18-51
							329.1	245.7
C-312	3055	342.3	1928	89.6	91.8	-2.2	3-29-45	10-18-51
							312.2	245.6
C-337	4329	657.0	1919	274.7	278.6	-3.9	1919	12-19-29
							437.0	362.5
<u>Glendora Basin</u>								
C-405	4355	950	1915	425.7	433.0	-7.3	8- 1-17	11- 1-51
							652	504

Coastal Plain, Los Angeles County

Montebello Forebay Area. Despite the spreading of about 10,300 acre-feet of water adjacent to Rio Hondo and San Gabriel River in Montebello Forebay Area by Los Angeles County Flood Control District in 1953-54, there was an observed eight-foot decline in ground water levels during this period. Depths to ground water ranged from zero in the area of rising water at Whittier Narrows to about 180 feet west of City of Montebello.

Central Coastal Plain Pressure Area. Pressure levels remained below sea level in most of the Central Coastal Plain Pressure Area in the fall of 1954. Distinct pumping depressions in the piezometric surface were observed about one mile northeast of Culver City and in the vicinity of Signal Hill, with pressure levels in these areas being as much as 92 feet and 103 feet below sea level, respectively. An average pressure level decline of about four feet was observed in the basin in 1953-54.

West Coast Basin. Little change was observed in pressure level elevations underlying the West Coast Basin in 1953-54, and levels remained below sea level throughout the entire Basin. The trough in the piezometric surface remained two to three miles seaward of the Newport-Inglewood uplift, with pressure levels in the trough being as much as 101 feet below sea level two miles northeast of Wilmington. Observed hydraulic gradients indicated that the major portion of the subsurface inflow to the Basin was entering from Santa Monica Bay.

During the water year 1953-54, Los Angeles County Flood Control District injected about 3,100 acre-feet of treated Colorado River water through

wells in the Manhattan Beach-Hermosa Beach area as part of sea-water intrusion studies being carried out with State Water Resources Board funds under the direction of the State Division of Water Resources.

Changes in ground water level elevations occurring in 1953-54 at 16 wells in the Montebello Forebay Area, Central Coastal Plain Pressure Area, and West Coast Basin are presented in Table 10.

TABLE 10

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN COASTAL PLAIN, LOS ANGELES COUNTY

In Feet

Well numbers	R.P.	Beginning elevation	: Depth to ground water	: Change in elevation	Date and extreme ground water level elevations of record	
Serial	Location	tion	: 1953	: 1954	: Maximum	: Minimum

Montebello Forebay Area

C-801b	1620E	181.7	1904	110.0	120.0	-10.0	4- 1-44 164.7	9-27-54 61.7
C-839c	1585	130.0	1930	113.0	125.0	-12.0	4-19-42 106.5	10-28-54 5.0
C-807s	1591A	163.8	1941	117.4	122.2	- 4.8	8- 5-41 143.6	11- 9-54 41.6

Central Coastal Plain Pressure Area

B-12y	2626H	88	1944	173	180	- 7	2-15-45 8	11-15-54 -92
B-51b	1413	140.6	1911	143.5	150.1	- 6.6	1911 115.6	11-23-54 - 9.5
C-873f	1548B	87	1944	59	62	- 3	4- 1-45 70	10-15-54 25
C-894	1062	61.7	1925	76.9	78.3	- 1.4	3-11-27 58.4	7-27-54 -16.6
C-935i	906D	90.5	1932	173.6	175.6	- 2.0	4- 3-33 15.4	10- 4-54 -85.1
C-936m	938E	56.6	1930	157.4	160.0	- 2.6	3-12-35 14.4	9- 7-54 -103.4

West Coast Basin

B-33L	1297H	115	1947	130.8	126.9	+ 3.9	4- 2-54 -8	7- 5-49 - 19
B-38r	1342A	118	1940	175	176.5	- 2	11-28-40 -20	12-10-54 - 58
B-86h	725C	125.2	1930	146.0	147.0	- 1.0	4-20-32 - 2.7	11- 8-54 - 21.8

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN COASTAL PLAIN, LOS ANGELES COUNTY

In Feet
(continued)

Well numbers	R.P.	Beginning	Depth to	Change	Date and extreme			
Serial	Location	elevation	ground water	in	ground water level			
		of	Fall	Fall	elevations of record			
		record	1953	1954	Maximum			
					Minimum			
<u>West Coast Basin (continued)</u>								
B-103d	785C	68	1943	118	118	0.0	8-1-48 -35	3-21-54 -52
B-115g	858B	35.0	1924	138.5	134.5	+ 4.0	4-11-24 -10.0	10-29-53 -103.5
B-120b	868A	20.4	1943	125.4	121.8	+ 3.6	3-1-43 -37.4	7-31-53 -105.0
B-136	381	8.0	1923	17.2	21.4	- 4.2	3-20-23 4.0	8-13-54 -13.3

Upper Santa Ana Valley

Chino Basin. Ground water levels at certain wells in Chino Basin were lowest of record in the fall of 1954, following an average ground water level drop of about two feet in 1953-54. Depths to ground water in the fall of 1954 varied noticeably throughout the Basin, ranging from zero in the area of rising water near Prado Dam to approximately 570 feet about a mile northwest of Upland.

Bunker Hill Basin. Ground water levels at some wells in Bunker Hill Basin were also lowest of record in the fall of 1954, as indicated in Table 11. Between the fall of 1953 and the fall of 1954, there was an

observed five-foot lowering of ground water levels. As illustrated on Plate 2, the water level in the "Williams Well", well No. E-109, declined approximately 85 feet from 1943 to the fall of 1954. About 6,700 acre-feet of water were reportedly spread by San Bernardino Valley Water Conservation District along the Santa Ana River near Mentone during 1953-54.

TABLE 11

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN UPPER SANTA ANA VALLEY

In Feet

Well numbers	R.P.	Beginning	Depth to	Change	Date and extreme			
: Location	: eleva-	: of	ground water	: in	ground water level			
Serial	: tion	: record	Fall	: eleva-	elevations of record			
	: record	: 1953	: 1954	: tion	Maximum	Minimum		
<u>Live Oak Basin</u>								
C-595	4438	1,134.3	1905	156.6	152.0	+ 4.6	11-11-05 987.8	1-25-30 818.8
<u>Chino Basin</u>								
D-716	1765D	1,212.8	1931	521.0	525.0	- 4.0	1-30-31 746.8	11- 1-54 687.8
D-743z	3277A	746.0	1904	116.6	118.3	- 1.7	4-14-05 744.6	8- 2-54 627.7
D-903f	16793C	607.5	1939	33.7	31.8	+ 1.9	4-15-41 605.9	10- 6-53 573.8
D-1033	17772	1,046.8	1930	293.9	301.2	- 7.3	6- 7-30 781.5	7- 2-53 738.8
D-1044	17804	959.0	1912	196.7	197.9	- 1.2	4-15-24 795.3	3- 4-52 754.9
<u>Lytle Basin</u>								
D-1188a	18724	1,455.9	1912	242.2	259.6	-17.4	6-16-16 1,458.2	11-13-50 1,171.4
<u>Devil Canyon Basin</u>								
E- 10	18782	1,412.0	1913	196.3	202.0	- 5.7	3-13-18 1,331.5	9-22-54 1,210.0
<u>Bunker Hill Basin</u>								
E- 37	18827	1,130.3	1888	94.0	99.4	- 5.4	1888 1,147.1	9-24-54 1,030.9
E-107b	18075	1,206.9	1900	138.1	149.9	-11.8	3- 2-23 1,171.1	9-30-54 1,057.0
E-109	18080	1,150.2	1892	82.0	86.2	- 4.2	Feb. 1894 1,158.2	11-13-54 1,064.0

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN UPPER SANTA ANA VALLEY

In Feet
(continued)

Well numbers	R.P.	Beginning	Depth to	Change	Date and extreme		
Serial	Location	elevation	ground water	in	ground water level		
		of	Fall	Fall	elevations of record		
		record	1953	1954	Maximum		
					Minimum		
<u>Yucaipa Basin</u>							
E-132	18206	2,131.8	1919	137.9 139.0	- 1.1	12- 2-19 2,087.8	11-22-54 1,992.8
<u>Riverside Basin</u>							
E-75	17964C	921.2	1915	58.7 61.4	- 2.7	6-23-21 905.6	10-18-36 851.7
E-192	17012	846.3	1928	80.2 79.2	+ 1.0	2-28-28 783.8	9-17-34 761.2

Coastal Plain, Orange County

East Coastal Plain Pressure Area. Pressure levels underlying East Coastal Plain Pressure Area remained below sea level in most of the Area in the fall of 1954, with very little net change in ground water level elevations occurring in 1953-54. A landward hydraulic gradient underlies that portion of the Basin from the coast line to the trough, located approximately five miles southwest of City of Santa Ana. A portion of the trough surface was as much as 34 feet below sea level in the fall of 1954. Sea water continued to intrude into the Basin, especially in the Talbert zone in the Santa Ana gap.

Santa Ana Forebay Area. Ground water levels underlying some portions of the Santa Ana Forebay Area remained below sea level for the fourth consecutive

year, and like East Coastal Plain Pressure Area, there was little net change in ground water level elevations between the fall of 1953 and the fall of 1954. Approximately 36,600 acre-feet of Colorado River water were released into the Santa Ana River channel near Arlington as part of artificial recharge operations conducted by Orange County Water District near Olive. Depths to ground water for the fall of 1953 and fall of 1954 in five basins in Coastal Plain, Orange County, are presented in Table 12.

TABLE 12

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN COASTAL PLAIN, ORANGE COUNTY

In Feet

Well numbers	R.P.	Beginning	Depth to	Change	Date and extreme			
Serial	Location	elevation	of	in	in	elevation	elevations of record	
		of record	1953	1954	tion	Maximum	Minimum	
<u>East Coastal Plain Pressure Area</u>								
C- 909	1028B	25.5	1903	44.9	45.5	-0.6	12-19-24 40.3	7-31-51 -44.5
C- 991e	565A	17.4	1929	52.1	49.6	+2.5	1-21-30 15.4	7-29-53 -34.7
C-1160e	14484F	84.9	1941	102.9	104.8	-1.9	1-11-45 28.9	8-12-54 -19.9
C-1243	13322	40.1	1904	26.3	26.8	-0.5	Flowing 1904 40.1	7-15-52 3.7
C-1257	13231	14.0	1922	36.4	33.1	-1.7	6-29-22 17.6	3-12-51 -30.5
<u>Santa Ana Forebay Area</u>								
C-1056	15626A	201.2	1928	201.5	200.2	+1.3	5-29-41 55.2	1-5-51 -8.6
C-1120	14521	153.5	1928	157.2	157.4	-0.2	4-22-29 56.5	10-1-51 -1.5
C-1129m	1189B	136.1	1898	152.4	152.0	+0.4	2-22-1398 112.7	1-1-51 -47.7
<u>La Habra Basin</u>								
C- 971d	1778A	308.3	1922	36.4	32.5	+3.9	10-30-24 290.2	-17-50 32.4
<u>Yorba Linda Basin</u>								
C-1097	15640	336.2	1922	183.4	183.3	+0.1	8-31-22 198.5	1-26-38 110.8
<u>Irvine Basin</u>								
C-1217a	13451	283.4	1927	284.8	293.2	-8.4	12-12-27 67.4	-21-51 -3.2

San Jacinto Basin

In 1953-54, water levels in observed wells in San Jacinto Basin declined an average of about five feet. Ground water levels underlying portions of the Basin dropped to minimum elevations of record. Depths to ground water in the fall of 1954 ranged from approximately five feet near the San Jacinto River, northwest of San Jacinto, to approximately 350 feet, southwest of Valle Vista.

A reported 710 acre-feet of water were diverted from San Jacinto River and spread at Riverside County Flood Control and Water Conservation District's artificial recharge grounds, northeast of Valle Vista. Changes in ground water level elevations during 1953-54 at 16 wells are presented in Table 13.

TABLE 13

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN SAN JACINTO BASIN

In Feet

Well number	: R.P. : : eleva- : : tion :	: Beginning : : of : : record :	Depth to ground water		: Change : : in : : eleva- : : tion :	Date and extreme ground water level elevations of record	
Bulletin No. 39-J			Fall 1953	Fall 1954		Maximum	Minimum
3S/3W-18A	1,555	1941	88.3	92.6	-4.5	1-23-41 1,476	11-15-54 1,462
4S/1W-15B	1,505	1952	98.5	110.9	-12.4	3-24-52 1,460	9- 2-54 1,394
4S/1W-35X	1,576.0	1952	148.1	165.2	-17.1	4-16-52 1,459.8	10- 4-54 1,410.8
4S/2W- 2C	1,430.7	1939	53.8	60.2	-6.4	9- 2-39 1,413.6	11-12-54 1,370.5
4S/3W- 9A	1,445.7	1936	177.9	179.6	-1.7	1-14-42 1,312.5	11-15-54 1,266.1
4S/3W-24C	1,442.2	1937	156.2	162.6	-6.4	3-31-38 1,337.5	10- 5-54 1,279.6
4S/3W-32A	1,434.8	1904	70.5	71.6	-1.1	6-20-05 1,403.1	5-10-40 1,358.7
5S/1E-14A	1,890	1939	163.8	173.1	-9.3	4- 8-42 1,854	12- 5-51 1,685
5S/1E-18C	1,730	1925	222.6	223.2	-0.6	June 1925 1,622	10- 4-54 1,485
5S/1W- 7B	1,510.7	1941	44.9	47.5	-2.6	1-24-48 1,483.1	11- 8-54 1,463.2
5S/1W-10A	1,583.4	1941	160.5	167.5	-7.0	1-16-42 1,472.8	9- 1-54 1,415.9
5S/1W-34B	1,670	1940	81.6	84.0	-2.4	1-11-45 1,614	11- 5-54 1,586
5S/2W-27E	1,476.9	1905	46.9	49.1	-2.2	5-22-22 1,463.4	11- 5-54 1,427.8
5S/3W- 8A	1,412.4	1940	153.0	154.7	+3.3	5-14-41 1,320.7	12-21-53 1,254.4
6S/2W- 6B	1,438.5	1940	95.6	101.3	-5.7	1- 8-42 1,382.0	11- 3-54 1,337.2
6S/3W- 4A	1,438.3	1944	67.4	68.3	-0.5	1- 6-16 1,410.3	1-23-53 1,365.4

San Luis Rey Valley

Ground water levels north of Oceanside and southwest of San Luis Rey remained as much as 13 feet below sea level in 1953-54, permitting encroachment of sea water to continue along the coast. During the year, water levels in observed wells dropped approximately two feet, as indicated by data presented in Table 14.

TABLE 14
CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN SAN LUIS REY VALLEY

In Feet

Well number	R.F. elevation	Beginning of record	Depth to ground water		Change in elevation	Date and extreme elevations of record	
State	tion	record	1953	1954	tion	Maximum	Minimum
10S/2W-6F2	282.4	1937	14.1	13.5	+ 0.6	4-14-41 276.6	11-26-51 267.4
10S/3W-11G1	236.8	1939	19.9	20.3	- 0.4	3-17-17 232.6	10- 8-51 216.9
10S/3W-30J1	152.8	1939	20.5	22.5	- 2.0	3-17-41 143.7	12- 6-54 130.3
11S/4W-5G1	59.6	1939	40.7	45.0	- 4.3	4-14-41 55.5	11- 1-54 14.6
11S/4W-9E1	68.6	1940	56.5	61.0	- 4.5	4-14-41 62.1	11- 1-54 - 7.6
11S/5W-13P2	24.4	1937	36.3	36.7	- 0.4	4-14-41 16.9	5- 4-53 -13.4

Tia Juana Basin

In the western portion of Tia Juana Basin, water levels in observed wells were as much as seven feet below sea level in the fall of 1954. There was little net change in ground water level elevations in the Basin between the fall of 1953 and the fall of 1954.

TABLE 15
CHANGES IN GROUND WATER LEVEL ELEVATIONS IN
TIA JUANA BASIN

In Feet

Well numbers	: R.P.	: Beginning	: Depth to	: Change	: Date and extreme		
: Tia Juana	: eleva-	: of	: ground water	: in	: ground water level		
State B&M	: Reference	: tion	: record	: 1953	: 1954	: eleva-	: elevations of record
						: Maximum	: Minimum
18S/2W-32P2	157	6.2	1921	5.6	5.5 + 0.1	4-16-41 5.1	10-17-34 -0.2
18S/2W-33R3	R	24.6	1936	27.8	27.1 + 0.7	3- 2-44 21.9	11- 2-53 -1.8
19S/2W-1J3	4	57.2	1924	12.5	11.6 + 0.9	3-15-41 52.9	10- 1-53 44.7
19S/2W-2C3	D	39.4	1924	17.4	16.6 + 0.8	4-16-41 36.6	5- 3-54 21.5
19S/2W-4A13	G	25.7	1924	21.4	24.0 - 2.6	3-15-41 22.7	11- 1-54 1.7
19S/2W-4P1	W	21.8	1936	28.7	28.0 + 0.7	3- 2-44 19.7	11- 2-53 -8.5
19S/2W-5A1	'37D	16.6	1937	21.2	21.9 - 0.7	4-16-41 12.2	10- 1-54 -5.3

CHAPTER III. RECORDS OF GROUND WATER LEVELS

A tabulation of distance to water surface for approximately 1,000 wells in Los Angeles, San Gabriel, and Santa Ana River Basins and in Antelope Valley is presented on the pages that follow. These records are a continuation of those published in previous reports of the Bulletin 39 series.

Following is a list of abbreviations used in this report:

D.W.R. . . . .	.Division of Water Resources
L.A.C.F.C.D. . . . .	.Los Angeles County Flood Control District
L.A.D.W.&P. . . . .	.Los Angeles Department of Water and Power
L.B.W.D. . . . .	.Long Beach Water Department
O.C.F.C.D. . . . .	.Orange County Flood Control District
P.W.D. . . . .	.Pasadena Water Department
R.C.F.C.&W.C.D. . . . .	.Riverside County Flood Control and Water Conservation District
R.W.Co. . . . .	.Riverside Water Company
S.A.V.I.Co. . . . .	.Santa Ana Valley Irrigation Company
S.B.C.F.C.D. . . . .	.San Bernardino County Flood Control District
S.B.V.W.C.D. . . . .	.San Bernardino Valley Water Conservation District
S.B.W.D. . . . .	.San Bernardino Water Department
S.C.W.Co. . . . .	.Southern California Water Company
S.G.V.P.A. . . . .	.San Gabriel Valley Protective Association
U.S.G.S. . . . .	.United States Geological Survey
U.S.W.B. . . . .	.United States Weather Bureau

Records of Ground Water Levels at Wells
in District "A"

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1954

1954

A-3b-B-6 Nov. 23 a 135.3
 1245.

A-15-D-4 May 11 a 6.7
 Cont. June 7 a 7.7

A-4c-B-6 Jan. 6 a 25.1
 1229.8 Feb. 10 a 25.6
 Mar. 10 a 25.5
 Apr. 14 a 20.3
 May 12 a 22.5
 June 9 a 23.6
 Aug. 11 a 25.2
 Oct. 11 a 25.9
 Dec. 9 a 26.2

Aug. 10 a 9.7
 Sep. 13 a 10.6
 Oct. 11 a 11.1
 Nov. 8 a 11.4
 Dec. 7 a 11.3

A-4e-B-6 Apr. 16 36.6
 1281.8 Nov. 19 36.5

A-18a-D-4 Apr. 16 132.5
 869.1 Dec. 1 a 133.9

A-5a-C-2 Jan. 5 a 11.1
 959.4 Feb. 9 a 9.4
 Mar. 9 a 9.0
 Apr. 13 a 8.6
 May 11 a 9.2
 June 7 a 10.3
 Aug. 10 a 11.8
 Sep. 13 a 12.6
 Oct. 11 a 13.0
 Nov. 8 a 12.9
 Dec. 7 a 12.5

A-18c-D-4 Apr. 13 53.4
 783. Nov. 22 54.2

A-22-D-5 Apr. 22 198.6
 862.5 Nov. 18 202.4

A-9-D-3 Apr. 22 58.4
 879.6 Dec. 1 b 59.0

A-24-B-5 Apr. 14 a 43.7
 1158.4 Nov. 19 a 47.9

A-24b-C-5 Apr. 22 22.8
 1033.8 Dec. 2 26.3

A-10-E-3 Jan. 7 12.1
 791.4 May 7 11.8
 June 9 11.8
 July 7 12.4
 Aug. 12 12.8
 Oct. 8 13.3

A-26-D-5 Jan. 5 228.1
 879.0 Feb. 2 228.6
 Mar. 2 228.9
 Apr. 6 229.8
 May 4 230.0
 June 1 230.2
 July 6 230.7
 Aug. 3 231.4
 Sep. 7 232.2
 Oct. 5 233.5

A-12-D-3 Apr. 13 12.8
 830.0 Apr. 22 12.5
 Nov. 22 13.3
 Dec. 1 13.2

A-27-D-5 Jan. 7 135.9
 794.6 Feb. 10 136.2
 Mar. 10 136.7
 Apr. 8 136.9
 May 6 137.1
 June 9 137.6
 July 14 138.1
 Aug. 12 138.6
 Sep. 22 139.2
 Oct. 12 139.9
 Nov. 17 140.2
 Dec. 10 140.4

A-15-D-4 Jan. 5 a 7.7
 791.2 Feb. 9 a 6.1
 Mar. 9 a 5.6
 Apr. 13 a 5.5

a Meas. from L.A.C.F.C.D.
 b Meas. by L.A.D.W.&P. from L.A.C.F.C.D.
 Measts. from L.A.D.W.&P. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1954

1954

A-27a-D-5 Jan. 7 144.0
 793.2 Feb. 10 144.5
 Mar. 10 144.9
 Apr. 8 145.0
 May 6 145.8
 June 9 146.6

A-28b-B-6 Mar. 10 a 24.2
 1130.7 Apr. 20 a 28.1
 Oct. 11 a 30.9
 Nov. 23 a 30.6

A-31-D-6 Jan. 7 261.3
 903.0 Feb. 10 261.9
 Mar. 10 262.3
 Apr. 8 263.9
 May 6 263.5
 June 9 263.7
 July 14 265.8
 Aug. 12 267.3
 Sep. 22 268.7
 Oct. 12 269.4
 Dec. 10 268.8

A-31a-D-6 Jan. 7 188.3
 820.2 Feb. 10 188.8
 Mar. 10 188.9
 Apr. 8 193.4
 May 6 190.1
 June 9 191.7
 July 14 192.9
 Aug. 12 193.9
 Sep. 22 195.6
 Oct. 12 196.3
 Nov. 18 196.3
 Dec. 10 196.7

A-37-C-7 Apr. 16 188.0
 1204.2 Dec. 3 189.1

A-41-C-7 Apr. 16 43.1
 1099.1 Dec. 2 41.0

A-44-C-7 Jan. 6 a 52.6
 1164.1 Feb. 10 a 52.2

A-44-C-7 Mar. 9 a 51.9
 Cont. Apr. 18 a 49.6
 May 12 a 47.9
 June 19 a 47.0
 Aug. 11 a 48.9
 Sep. 13 a 48.7
 Oct. 15 a 44.1
 Nov. 9 a 47.1
 Dec. 9 a 49.4

A-45-C-8 Apr. 16 26.9
 1159.8 Dec. 1 a 26.1

A-48-C-8 Apr. 18 a 53.0
 1286.1 Nov. 30 48.9

A-50b-D-9 Apr. 20 147.9
 1750. Nov. 23 157.2

A-54e-D-10 Apr. 19 a 50.3
 1498. Nov. 22 a 55.6

A-56d-E-2 Apr. 14 a 27.8
 882.9 Sep. 2 a 28.6
 Nov. 23 a 28.7

A-58d-E-3 Apr. 14 a 15.4
 798.6 Nov. 23 a 16.6

A-60-E-3 Apr. 16 17.3
 793.6 Dec. 1 21.5

A-62a-E-3 Jan. 7 14.8
 769.9 Feb. 10 14.6
 Mar. 10 14.7
 Apr. 8 14.7
 May 6 14.8
 June 9 15.1
 July 7 15.2
 Aug. 12 15.1
 Sep. 8 15.3
 Oct. 8 15.4
 Nov. 18 16.0
 Dec. 10 16.0

a Meas. from L.A.C.F.C.D.

Measts. from L.A.D.W.&P. except as noted.

Well Number :	Dist.R.P. :		
and :	to water :		
R.P. Elev. :	surface, :	Date :	Feet :

Well Number :	Dist.R.P. :		
and :	to water :		
R.P. Elev. :	surface, :	Date :	Feet :

1952			
A-66b-E-4	Nov. 26	a	11.1
728.7			

1953

	Apr. 2	a	11.6
	Nov. 13	a	13.3

1954

	Apr. 16	a	12.9
	Nov. 26	a	16.2

A-71a-E-5	Apr. 21	a	11.0
723.9	Dec. 2	a	12.2

A-72-E-5	Apr. 21	a	60.7
732.5	Dec. 2	a	62.6

A-73-E-5	Jan. 11		26.9
690.1	Feb. 9		28.6
	Mar. 2		28.3
	Apr. 12		27.9
	May 3		27.5
	June 2		28.4
	July 7		28.7
	Aug. 2		29.0
	Sep. 14		29.3
	Oct. 18		29.7
	Nov. 8		30.2
	Dec. 6		30.5

A-74-E-5	Mar. 2		99.0
732.6	Apr. 12		100.2

A-75-F-6	Jan. 11		21.6
654.3	Feb. 9		20.9
	Mar. 2		20.0
	Apr. 12		19.8
	May 3		19.4
	June 2		20.8
	July 7		21.2

1954			
A-75-F-6	Aug. 2		21.5
Cont.	Sep. 14		21.9
	Oct. 18		22.1
	Nov. 8		22.2
	Dec. 6		22.6

A-76-E-6	Jan. 7	a	87.2
707.2	Feb. 10	a	87.5
	Mar. 10	a	92.0
	Apr. 8	a	89.8
	May 6	a	88.5
	June 9	a	94.6
	July 14	a	96.2
	Aug. 12	a	97.4
	Sep. 22	a	99.2
	Oct. 12	a	99.5
	Nov. 17	a	97.8
	Dec. 10	a	98.0

A-80c-E-7	Apr. 14	a	139.7
713.7			

A-81d-E-6	Jan. 11		57.7
656.8	Feb. 9		53.6
	Mar. 2		45.1
	Apr. 12		50.3
	May 3		49.8
	June 2		50.0
	July 12		50.2
	Aug. 2		49.5
	Sep. 14		52.8
	Oct. 18		54.1
	Nov. 8		55.6
	Dec. 6		55.8

A-82-F-6	Apr. 14	a	45.0
633.9			

A-98-E-10	Mar. 17		44.2
965.2	June 16		48.2
	Sep. 15		47.2
	Dec. 22		50.2

a Meas. from L.A.D.W.&P.

Measts. from L.A.C.F.C.D. except as noted.

Records of Ground Water Levels at Wells
in District "B"

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1954		
B-3-I-5	Apr. 19	95.8
114.	Dec. 15	95.3
B-6d-H-6	Apr. 15	129.4
195.8	Dec. 1	117.4
B-10o-I-6	Apr. 15	99.3
54.0	Nov. 30	98.4
B-10p-I-6	Jan. 4	75.2
84.6	Feb. 3	75.1
	Mar. 3	75.0
	Apr. 6	75.0
	May 12	74.6
	June 10	74.3
	July 14	74.0
	Aug. 11	74.2
	Sep. 14	74.0
	Oct. 6	74.0
	Nov. 9	73.6
	Dec. 6	73.1
B-12-H-7	Apr. 15	74.2
100.	Dec. 1	76.2
B-13-I-6	Apr. 15	44.8
68.0	Nov. 30	68.4
B-14-G-8	Jan. 4	24.6
290.	Feb. 3	24.5
	Mar. 3	24.0
	Apr. 6	24.6
	May 12	23.3
	June 9	24.2
	July 14	23.6
	Aug. 13	23.8
	Sep. 14	24.2
	Oct. 5	24.1
	Nov. 8	24.0
	Dec. 6	24.3
B-14d-G-8	Jan. 4	41.9
335.9	Feb. 3	41.8

1954		
B-14d-G-8	Mar. 3	41.6
Cont.	Apr. 6	41.5
	May 12	41.3
B-15-I-8	Jan. 5	116.9
110.7	Feb. 2	110.8
	Mar. 3	104.1
	Apr. 6	106.2
	May 11	112.6
	June 9	115.8
	July 13	118.4
	Aug. 11	120.1
	Sep. 14	121.6
	Oct. 5	122.2
	Nov. 8	123.2
	Dec. 6	104.0
B-18-H-9	Apr. 16	137.3
225.		
B-18a-H-9	Apr. 13	144.5
231.1	Nov. 19	146.2
B-23-I-5	Jan. 4	22.2
22.2	Feb. 3	21.9
	Mar. 3	21.5
	Apr. 6	21.4
B-24a-J-6	Apr. 13	14.3
14.7	Nov. 23	15.4
B-27d-J-6	Apr. 14	20.9
15.6		
B-28-J-6	Jan. 5	a 82.4
83.9	Feb. 3	a 82.0
	Mar. 4	a 81.1
	Apr. 6	a 81.1
	May 4	a 81.3
	June 2	a 80.5
	July 6	b 81.7
	Aug. 6	b 81.7
	Sep. 7	b 81.9

a Meas. from L.A.D.W.&P.

b Meas. by L.A.D.W.&P. from L.A.C.F.C.D.

Measts. from L.A.C.F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : : surface,
 Date : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : : surface,
 Date : : Feet

1954

B-28-J-6 Oct. 6 a 81.9
 Cont. Nov. 4 a 82.0
 Dec. 7 a 82.0

B-28c-J-6 Oct. 5 133.2
 130.6 Nov. 8 133.3
 Dec. 7 133.2

B-31-J-6 Apr. 17 b 154.5
 143.0 Nov. 16 b 151.0

B-42-J-8 Nov. 30 248.5
 247.

B-44-K-8 Apr. 14 117.8
 84.2 Nov. 22 119.2

B-45d-K-8 Nov. 17 b 101.7
 49.5

B-50-I-9 Apr. 29 109.4
 156.1 Nov. 23 108.4

B-51b-J-9 Apr. 28 144.6
 140.6 Nov. 23 150.1

B-52-J-8 Apr. 14 202.5
 178.8 Dec. 6 138.

B-67-K-10 Apr. 28 54.8
 104. Nov. 23 58.2

B-69-K-9 Feb. 19 104.0
 86.5 Mar. 12 106.3
 Apr. 2 104.4
 May 14 110.4
 June 4 112.6
 July 16 113.9
 Aug. 6 114.5
 Sep. 17 117.7
 Oct. 6 117.7
 Nov. 19 113.0
 Dec. 10 111.7

1954

B-70b-J-10 Feb. c 187.
 178.7 Mar. c 186.
 Apr. c 188.
 May c 197.
 June c 191.
 July c 189.
 Aug. c 195.
 Sep. c 199.
 Oct. c 196.
 Nov. c 189.

B-72e-K-10 Jan. 6 47.5
 107.0 Feb. 2 48.2
 Mar. 9 47.5
 Apr. 6 47.6
 May 18 48.3
 June 1 48.5
 July 6 49.2
 Aug. 9 50.9
 Sep. 10 51.0
 Oct. 18 49.0
 Nov. 8 50.8
 Dec. 14 49.7

B-90c-L-7 Feb. 26 d 134.
 96.6 Apr. 1 d 153.
 July 6 d 134.
 Sep. 7 d 135.
 Oct. 29 d 135.
 Dec. 31 d 135.

1953

B-91-L-7 Nov. 15 c 117.
 61. Dec. 15 c 116.

1954

Jan. 15 c 116.
 Feb. 14 c 114.
 Mar. 15 c 115.

a Meas. by L.A.D.W.&P. from L.A.C.F.C.D.
 b Meas. from D.W.R.
 c Air gage meas. by owner from L.A.C.F.C.D.
 d Meas. from owner.
 Measts. from L.A.C.F.C.D. except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1954	
B-91-L-7	Apr. 15 a 115.
Cont.	May 15 a 114.
	June 15 a 118.
	July 8 a 118.
	Aug. 15 a 118.
	Sep. 15 a 117.
	Oct. 15 a 118.
	Nov. 15 a 120.
	Dec. 15 a 120.
B-100-N-8	Jan. 4 121.7
82.	Feb. 2 121.4
	Mar. 2 122.4
	Apr. 5 121.4
	May 11 122.0
	June 9 124.3
	July 13 122.8
	Aug. 11 123.0
	Sep. 14 124.3
	Oct. 5 123.2
	Nov. 9 123.2
	Dec. 7 124.1
B-101b-L-8	Nov. 22 85.1
45.4	

1953	
B-106-L-8	Nov. 15 a 135.
55.0	Dec. 15 a 135.
1954	
	Jan. 15 a 133.
	Feb. 14 a 132.
	Mar. 15 a 131.
	Apr. 15 a 131.
	May 8 a 133.
	May 15 a 131.
	June 15 a 135.
	July 8 a 137.
	Aug. 15 a 142.
	Sep. 15 a 141.
	Oct. 15 a 140.
	Nov. 15 a 140.
	Dec. 15 a 134.

1954	
B-106a-L-9	Apr. 22 115.0
78.9	Nov. 19 118.1
B-110b-N-9	Jan. 6 108.8
44.8	Feb. 2 107.4
	Mar. 9 107.2
	Apr. 6 105.8
	May 18 108.7
	June 1 109.6
	July 6 112.6
	Aug. 9 113.7
	Sep. 10 118.9
	Oct. 18 116.8
	Nov. 8 110.8
	Dec. 14 105.7
B-113-M-9	May 3 89.0
17.3	Dec. 7 96.6

1953	
B-115g-N-9	Dec. 31 b 127.0
35.0	

1954	
	Jan. 29 b 122.4
	Mar. 1 b 122.4
	Apr. 1 b 120.4
	May 1 b 126.0
	June 1 b 130.5
	July 1 b 130.0
	Aug. 1 b 134.0
	Sep. 1 b 134.5
	Oct. 1 b 130.4
	Nov. 1 b 134.2
	Dec. 1 b 132.6
B-117-L-10	Apr. 21 136.5
97.8	Nov. 18 143.4
B-118-M-10	Jan. 15 c 42.3
34.0	Feb. 5 c 42.1
	Feb. 26 c 42.5
	Mar. 19 c 42.4
	Apr. 9 c 42.4
	Apr. 30 c 42.1
	May 21 c 43.4

a Meas. by owner from L.A.C.F.C.D.

b Meas. from owner.

c Meas. by L.B.W.D. from L.A.C.F.C.D.

Measts. from L.A.C.F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 Feet

Well Number : : Dist.R.P.
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 Feet

1954

B-118-M-10 June 11 42.9
 Cont. July 2 43.0
 July 23 44.0
 Aug. 13 44.2
 Sep. 10 44.4
 Oct. 1 44.5
 Oct. 22 44.9
 Nov. 12 43.5
 Dec. 8 44.2
 Dec. 30 44.0

B-119-M-9 Jan. 5 57.8
 24.6 Mar. 3 50.8

B-119q-M-10 Apr. 21 37.8
 24.9 Nov. 18 39.5

B-122f-L-10 Jan. 8 a 51.2
 61.6 Feb. 19 a 50.5
 Mar. 12 a 50.8
 Apr. 23 a 50.7
 May 14 a 52.9
 June 4 a 54.7
 June 25 a 56.5
 July 16 a 58.5
 Aug. 6 a 59.6
 Aug. 27 a 59.3
 Sep. 17 a 59.2
 Oct. 6 a 54.4
 Oct. 29 a 58.3
 Nov. 19 a 56.7
 Dec. 10 a 55.0
 Dec. 31 a 54.4

B-129-L-10 Apr. 19 a 70.6
 58.1 Nov. 23 a 79.0

B-129b-M-10 Jan. 15 61.8
 37.4 Feb. 5 60.9
 Mar. 1 61.2
 Mar. 19 61.8

1954

B-129b-M-10 Apr. 9 60.9
 Cont. Apr. 30 63.1
 May 21 66.1
 June 11 70.4
 July 2 71.9
 July 23 73.4
 Aug. 13 70.5
 Sep. 10 72.6
 Oct. 1 72.0
 Oct. 22 71.6
 Nov. 12 68.4
 Dec. 8 65.7
 Dec. 30 65.6

B-132-N-8 Apr. 22 a 119.8
 71.2 Nov. 29 a 122.4

B-133-N-8 Jan. 4 b 112.0
 45.2 Mar. 10 b 113.3
 Apr. 13 b 113.1
 May 21 b 113.9
 Sep. 15 b 112.4
 Oct. 18 b 111.6

B-136-N-10 Jan. 5 16.6
 8.0 Feb. 5 16.8
 Feb. 26 16.5
 Mar. 19 16.7
 Apr. 9 16.4
 Apr. 30 17.0
 May 21 20.3
 June 11 19.6
 July 2 20.7
 July 23 21.2
 Aug. 13 21.4
 Sep. 10 20.0
 Oct. 1 20.4
 Oct. 22 20.0
 Nov. 12 19.3
 Dec. 8 19.9
 Dec. 30 20.2

a Meas. from L.A.C.F.C.D.

b Meas. from owner,

Measts. by L.B.W.D. from L.A.C.F.C.D. except as noted.

Records of Ground Water Levels at Wells
in District "C"

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

Well Number :	:	Dist.R.P.
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R.P. Elev. :	Date :	surface, Feet

1954

1954

C-1c-E-11	Jan. 28	a	228.9
1172.4	Mar. 2	a	226.9
	Apr. 1	a	220.8
	Apr. 30	a	218.5
	June 4	a	223.5
	Aug. 23	a	239.2
	Sep. 29	a	246.7
	Oct. 30	a	243.9
	Dec. 1	a	239.2

C-7-E-11	July 4		166.9
Cont.	Aug. 3		170.0
	Sep. 11		174.6
	Oct. 6		177.1
	Nov. 2		179.4
	Dec. 1		180.4

C-3-E-11	Jan. 31	a	270.
*1202.3	Feb. 28	a	265.
**1202.2	Mar. 31	a	262.
	Apr. 30	a	258.
	May 31	a	260.
	June 30	a	263.
	July 31	a	269.
	Aug. 31	a	275.
	Sep. 30	a	275.
	Oct. 31	a	277.
	Nov. 22	b	274.2
	Dec. 31	a	275.

C-10-E-11	Jan. 6		115.5
1046.6	Feb. 4		115.2
	Mar. 3		114.0
	Apr. 7		111.1
	May 8		108.5
	June 6		106.8
	July 4		106.2
	Aug. 3		107.8
	Sep. 11		110.5
	Oct. 6		112.8
	Nov. 2		114.0
	Dec. 1		116.9

C-11-E-11	Nov. 22	b	283.9
1188.5			

C-5-E-11	Jan. 6		137.8
1070.6	Feb. 4		133.6
	Mar. 3		126.6
	Apr. 7		117.1
	May 8		119.8
	June 6		123.5
	July 4		127.3
	Aug. 3		131.6
	Sep. 11		137.3
	Oct. 6		139.0
	Nov. 2		140.5
	Dec. 1		140.7

C-12-E-11	Jan. 1	a	186.1
*1134.2	Feb. 1	a	186.1
**1129.2	Mar. 1	a	186.1
	Apr. 1	a	185.9
	May 1	a	186.
	June 1	a	186.
	July 1	a	186.
	Aug. 1	a	185.5
	Sep. 1	a	186.
	Oct. 1	a	186.
	Nov. 1	a	186.
	Nov. 24	b	193.5
	Dec. 1	a	193.5

C-7-E-11	Jan. 6		178.0
1109.7	Feb. 4		176.6
	Mar. 3		173.5
	Apr. 7		168.4
	May 8		165.5
	June 6		165.5

C-16-F-11	Jan. 5		250.8
916.4	Feb. 3		248.8
	Mar. 2		248.2
	Apr. 7		246.7
	May 7		245.6

* Air gage R.P. used by owner.

** Tape R.P. used by D.W.R.

a Meas. from owner.

b Meas. from D.W.R.

Measts. from P.W.D. except as noted.

Well Number : : Dist.R.P.
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1954

1954

C-16-F-11 June 6 247.3
 Cont. July 4 247.8
 Aug. 1 246.8
 Sep. 9 248.1
 Oct. 5 251.6
 Nov. 2 249.7
 Dec. 1 247.5

C-22-F-11 Jan. 5 235.9
 897.9 Feb. 3 234.4
 Mar. 2 233.4
 Apr. 7 232.0
 May 7 231.4
 June 8 233.3
 July 4 234.4
 Aug. 1 235.4
 Sep. 9 236.4
 Oct. 5 238.2
 Nov. 2 237.9
 Dec. 1 234.2

C-31a-F-11 May 4 a 126.3
 773.2 Nov. 22 a 126.3

C-42-E-12 Dec. 9 a 310.2
 865.6

C-44-F-12 Jan. 6 326.4
 879.0 Feb. 3 324.5
 Mar. 2 322.9
 Apr. 7 321.0
 May 9 321.1
 June 5 320.3
 July 5 323.7
 Aug. 2 325.6
 Sep. 9 327.7
 Oct. 5 328.7
 Nov. 2 329.4
 Dec. 2 327.9

C-47-F-12 May 4 a 156.2
 698.8 Nov. 23 a 155.8

C-49-F-12 Jan. 1 b 180.
 720.0 Feb. 1 b 172.
 Mar. 1 b 171.
 Apr. 1 b 170.
 May 1 b 170.
 June 1 b 170.
 July 1 b 174.
 Aug. 1 b 183.
 Sep. 1 b 182.
 Oct. 1 b 182.
 Nov. 1 b 183.
 Dec. 1 b 174.

C-52a-F-12 Jan. 5 241.6
 791.2 Feb. 3 239.3
 Mar. 2 238.0
 Apr. 6 234.3
 May 9 234.1
 June 5 235.5
 July 5 239.0
 Aug. 2 242.3
 Sep. 9 244.8
 Oct. 5 244.1
 Nov. 2 245.9
 Dec. 2 240.5

C-55-F-12 Feb. 28 b 182.
 736.3 Dec. 1 a 182.8

C-62-F-12 Jan. 31 b 87.
 673.6 Feb. 28 b 87.
 Mar. 31 b 85.
 Apr. 30 b 84.
 May 31 b 85.
 June 30 b 89.
 Aug. 31 b 107.
 Sep. 30 b 109.
 Oct. 31 b 98.
 Nov. 24 a 97.9
 Nov. 30 b 95.
 Dec. 31 b 91.

a Meas. from D.W.R.

b Meas. from owner.

Measts. from P.W.D. except as noted.

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R.P. Elev. :	Date :	surface, Feet

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R.P. Elev. :	Date :	surface, Feet

1954			
C-74-F-12	May 4	a	128.6
*676.0	Nov. 22	a	129.5
C-76-F-12	May 4	a	118.8
665.8	Nov. 22	a	122.2
C-101-F-13	Jan. 7		95.
603.0	Feb. 5		91.
	Mar. 4		89.8
	Apr. 9		85.
	May 7		95.
	June 3		105.
	July 1		115.
	July 15		128.
	Aug. 5		124.
	Sep. 2		120.
	Oct. 7		124.
	Nov. 4		111.
	Dec. 9		103.
C-102-F-14	May 4	a	16.1
594.0	Nov. 26	a	18.3
C-103-F-13	Nov. 26	a	85.5
627.5			
C-111-F-11	Jan. 6	b	163.7
776.3	Feb. 3	b	162.7
	Mar. 3	b	161.9
	Apr. 7	b	160.6
	May 7	b	161.6
	June 5	b	162.7
	July 6	b	164.7
	Aug. 3	b	167.0
	Sep. 9	b	168.2
	Oct. 6	b	168.6
	Nov. 2	b	168.8
	Dec. 2	b	166.8
C-115-E-12	May 4	a	40.9
1105.	Nov. 22	a	54.6

1954			
C-119-F-12	Jan. 1		116.0
662.5	Feb. 1		114.0
	Mar. 1		113.0
	Apr. 1		110.0
	May 1		110.
	June 1		114.
	July 1		115.
	Aug. 1		115.
	Sep. 1		120.
	Oct. 1		119.
	Nov. 1		119.
	Nov. 29	a	112.5
	Dec. 1		115.0
C-130-F-13	Jan. 15		172.
677.0	Feb. 15		168.
	Mar. 15		167.
	Apr. 15		156.
	May 15		172.
	June 15		178.
	July 15		190.
	Aug. 15		195.
	Sep. 15		197.
	Oct. 15		198.
	Nov. 18	a	183.9
	Dec. 15		181.0
C-200-F-13	Jan. 15	c	217.8
481.1	Feb. 5	c	217.7
	Mar. 19	c	218.0
	Apr. 9	c	218.6
	May 3	c	219.6
	June 2	c	218.8
	July 2	c	219.0
	Aug. 13	c	220.0
	Sep. 3	c	220.5
	Oct. 16	c	220.9
	Nov. 5	c	220.6
	Dec. 17	c	220.8

* Correction to previous bulletins: R.P. elev. should be as shown from Dec. 6, 1949; from levels by D.W.R.

a Meas. from D.W.R.

b Meas. from P.W.D.

c Meas. from L.A.C.F.C.D.

Measts. from owner except as noted.

Well Number : : Dist.R.P.
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1954

C-201-G-12 Jan. 1 a 297.0
 507.7 Feb. 1 a 297.0
 Mar. 1 a 297.
 May 1 a 297.
 Sep. 1 a 305.
 Oct. 1 a 304.
 Nov. 1 a 310.
 Dec. 1 a 302.

C-204-G-12 Feb. 26 270.8
 478.9 Mar. 19 274.5
 Apr. 9 274.8
 Apr. 30 275.2
 May 21 273.6
 June 11 278.9
 Aug. 13 281.2
 Sep. 3 281.6
 Nov. 27 277.5

C-206-G-12 Jan. 31 a 335.
 534.6 Feb. 28 a 335.
 Mar. 31 a 333.
 Apr. 30 a 333.
 May 31 a 335.
 June 30 a 337.
 July 30 a 337.
 Aug. 31 a 337.
 Sep. 30 a 342.
 Oct. 31 a 342.
 Nov. 30 a 342.
 Dec. 31 a 342.

C-223-G-13 Jan. 15 53.3
 306.2 Feb. 5 53.5
 Feb. 26 53.7
 Mar. 19 54.0
 Apr. 9 54.0
 Apr. 30 54.1
 May 21 53.9
 June 11 53.8
 July 2 54.1
 July 22 54.5
 Aug. 13 54.8

1954

C-223-G-13 Sep. 3 55.2
 Cont. Sep. 21 55.5
 Oct. 16 55.8
 Nov. 5 56.0
 Nov. 27 56.1
 Dec. 17 56.2

1953

C-224-G-13 July 1 b 59.
 314.5 Aug. 1 b 59.
 Sep. 1 b 61.2
 Oct. 1 b 61.
 Nov. 1 b 60.5
 Dec. 1 b 60.

1954

Jan. 1 b 59.5
 Feb. 1 b 61.0
 Mar. 1 b 61.0
 Apr. 1 b 61.5
 May 1 b 61.0
 June 1 b 61.8
 July 1 b 62.0
 Aug. 1 b 63.0
 Sep. 1 b 63.0
 Oct. 1 b 63.0
 Nov. 1 b 64.0
 Dec. 1 b 63.0

C-230a-H-13 Jan. 15 34.1
 281.9 Feb. 5 33.3
 Mar. 16 33.6
 Apr. 4 33.2
 May 1 33.6
 June 11 33.4
 July 2 33.3
 Aug. 13 33.3
 Sep. 3 34.9
 Oct. 15 34.0
 Nov. 5 35.4
 Dec. 17 35.6

a Meas. from owner.

b Meas. by owner from L.A.C.F.C.D.

Measts. by S.G.V.P.A. from L.A.C.F.C.D. except as noted.

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

Well Number :	:	Dist.R.P.
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R.P. Elev. :	Date :	surface, Feet

1954		
C-234-H-13 242.6	Feb. 27	11.2
	Apr. 7	10.5
	May 5	11.5
	June 2	11.4
	Aug. 4	12.9
	Sep. 1	13.3
	Oct. 6	14.0
	Nov. 3	14.2
	Dec. 1	13.7
	C-237w-H-13 240.0	Jan. 6	16.8
Feb. 3		16.5
Mar. 3		16.3
Apr. 7		16.1
May 5		16.3
June 2		16.9
Aug. 4		18.1
Sep. 1		18.3
Nov. 3		18.1
Dec. 1		17.3
C-239-H-13 228.2	Jan. 15	18.0
	Feb. 5	17.3
	Mar. 19	17.4
	Apr. 9	17.3
	June 11	18.1
	July 2	18.7
	Aug. 13	19.0
	Sep. 3	18.9
	Oct. 15	18.6
	Nov. 5	18.4
	Dec. 17	17.4
	C-241-F-14 416.6	Jan. 15	159.
Feb. 5		159.4
Mar. 19		160.0
Apr. 9		160.4
May 3		160.2
June 2		159.8
July 2		159.6
Aug. 13		160.9
Sep. 3		161.5

1954		
C-241-F-14 Cont.	Oct. 16	162.4
	Nov. 5	162.6
	Dec. 17	162.9
C-242-F-14 404.5	Jan. 15	a 152.
	Feb. 15	a 152.
	Mar. 15	a 154.
	Apr. 13	a 154.7
	May 1	a 151.1
	May 26	a 149.6
C-243-F-14 416.5	Jan. 4	164.0
	Feb. 4	163.5
	Mar. 19	163.8
	Apr. 1	163.0
	May 21	156.8
	June 3	156.
	July 1	158.
	Aug. 9	162.
	Sep. 1	164.
	Oct. 1	165.
	Nov. 3	165.
Dec. 17	164.4	
C-243b-F-14 797.2	Apr. 27	b 36.0
	Nov. 22	b 47.8
C-243d-F-14 699.5	Feb. 5	110.9
	Mar. 19	92.7
	Apr. 9	81.0
	May 21	87.1
	June 11	90.0
	July 2	94.3
	Aug. 13	101.1
	Sep. 3	102.8
	Oct. 16	104.4
	Nov. 5	106.3
Dec. 17	105.1	
C-259-H-14 292.0	Jan. 14	48.7
	Feb. 4	47.7
	Mar. 18	47.1

a Meas. by S.C.W.Co. from L.A.C.F.C.D.

b Meas. from L.A.C.F.C.D.

Measts. by S.G.V.P.A. from L.A.C.F.C.D. except as noted.

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
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1954

C-259-H-14	Apr. 8	46.6
Cont.	May 20	47.1
	June 10	47.9
	July 1	48.8
	Aug. 12	50.3
	Sep. 2	48.4
	Oct. 14	45.2
	Nov. 4	46.4
	Dec. 16	41.4

C-278-F-15	Jan. 15	56.8
635.1	Feb. 5	46.7
	Mar. 19	18.4
	Apr. 9	16.1
	May 21	17.0
	July 2	27.9
	July 23	31.4
	Sep. 3	34.6
	Oct. 16	35.0
	Nov. 5	34.6
	Dec. 17	30.7

C-280-F-15	Apr. 9	41.3
591.4	May 21	35.2
	June 3	38.5
	July 2	44.2
	Aug. 13	53.0
	Sep. 3	57.7
	Oct. 16	66.1
	Nov. 5	65.8
	Nov. 27	65.4

C-281-F-15	Jan. 7	a	187.9
593.0	Mar. 2	a	198.1
	Apr. 23	a	62.0
	May 21	a	64.4
	June 3	a	72.3
	July 6	a	91.8
	Aug. 18	a	108.0
	Sep. 15	a	114.8
	Oct. 6	a	121.4

1954

C-281-F-15	Nov. 22	a	123.8
Cont.	Dec. 22	a	116.5

C-283-G-15	Jan. 6	203.4
456.6	Feb. 3	203.4
	Mar. 3	202.3
	Apr. 7	201.3
	May 5	190.1
	June 2	189.8
	July 7	195.0
	Aug. 4	199.4
	Sep. 1	201.9
	Oct. 6	203.3
	Nov. 3	203.8
	Dec. 1	302.4

C-285-F-16	Jan. 4	106.0
686.3	Feb. 4	76.0
	Apr. 1	48.0
	May 21	42.3
	June 3	51.0
	July 1	69.
	Aug. 9	75.5
	Sep. 3	76.9
	Oct. 1	77.0
	Nov. 3	76.0
	Dec. 17	65.0

C-294a-G-15	Jan. 1	134.4
387.7	Feb. 3	134.3
	Mar. 3	133.7
	Apr. 21	132.3
	May 5	128.8
	June 2	125.9
	July 7	128.3
	Aug. 4	131.5
	Sep. 1	133.1
	Oct. 1	b 133.5
	Nov. 3	134.2
	Dec. 1	133.7

a Meas. from L.A.C.F.C.D.

b Meas. from U.S.G.S.

Measts. by S.G.V.P.A. from L.A.C.F.C.D. except as noted.

Well Number	Date	Dist.R.P.	to water	surface,	Feet

Well Number	Date	Dist.R.P.	to water	surface,	Feet

1954

1954

C-295-G-15	Jan. 13	146.7
401.4	Feb. 13	146.0
	Mar. 17	145.3
	Apr. 8	144.7
	May 20	141.7
	June 10	138.9
	July 1	140.3
	Aug. 12	144.2
	Sep. 2	144.6
	Oct. 14	145.2
	Nov. 4	145.7
	Dec. 16	144.3

C-309-H-15	Mar. 18	62.6
Cont.	Apr. 8	62.4
	May 20	64.2
	June 10	67.4
	July 1	67.2
	Aug. 12	69.0
	Sep. 2	67.2
	Oct. 14	65.3
	Nov. 4	65.3
	Dec. 16	61.4

C-296-G-15	Jan. 13	166.7
424.7	Feb. 3	166.1
	Feb. 24	165.6
	Mar. 17	165.6
	Apr. 8	165.1
	Apr. 29	164.3
	May 20	161.8
	June 10	160.6
	July 1	160.9
	Aug. 12	164.2
	Sep. 2	165.1
	Oct. 14	165.6
	Nov. 4	166.1
	Dec. 16	164.9

C-312-H-15	Jan. 14	83.5
342.3	Feb. 4	82.5
	Feb. 25	86.2
	Mar. 18	82.6
	Apr. 8	82.0
	Apr. 29	84.9
	May 20	86.9
	June 10	89.6
	July 1	89.0
	July 22	91.6
	Aug. 12	87.7
	Sep. 2	91.8
	Sep. 19	90.6
	Oct. 14	89.3

C-300-H-15	Jan. 6	145.1
407.0	Feb. 3	145.2
	Mar. 3	145.0
	Apr. 7	144.8
	May 5	144.6
	June 9	143.2
	July 7	142.9
	Aug. 4	144.0
	Sep. 1	144.7
	Oct. 6	143.2
	Nov. 3	143.7
	Dec. 1	143.6

C-316-I-15	Jan. 14	20.3
309.2	Feb. 4	17.0
	Mar. 18	15.9
	Apr. 8	14.6
	May 20	15.3
	June 10	19.6
	July 1	17.7
	Aug. 12	24.9
	Sep. 2	21.4
	Oct. 14	19.9
	Nov. 4	19.7
	Dec. 16	17.6

C-309-H-15	Jan. 14	63.5
320.3	Feb. 4	62.7

C-320-F-16	Apr. 8	a	17.2
756.3	Apr. 26	a	11.0
	Nov. 30	a	38.4

a Meas. from L.A.C.F.C.D.

Measts. by S.G.V.F.A. from L.A.C.F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
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Well Number : : Dist.R.P.
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 R.P. Elev. : Date : surface,
 : : Feet

1954

1954

C-322-F-16 Jan. 11 120.5
 695.1 Feb. 1 84.5
 Mar. 1 32.9
 Apr. 1 22.6
 May 10 25.5
 June 1 52.9
 July 1 72.6
 Aug. 2 86.4
 Sep. 1 93.4
 Oct. 1 95.5
 Nov. 1 92.2
 Dec. 1 78.0
 Dec. 31 62.4

C-323-F-16 Jan. 7 a 134.1
 693.3 Feb. 5 a 65.8
 Mar. 4 a 26.0
 Apr. 1 a 19.1
 May 6 a 23.5
 June 3 a 58.7
 July 8 a 81.2
 Aug. 5 a 93.9
 Sep. 2 a 102.2
 Oct. 6 a 107.2
 Nov. 4 a 105.2
 Dec. 1 a 81.4

C-328-F-16 Mar. 18 46.6
 671.4 Apr. 8 35.7
 May 20 45.1
 June 10 55.7
 July 1 74.7
 Aug. 12 101.9
 Sep. 2 110.1
 Oct. 14 120.8
 Nov. 4 124.9
 Dec. 16 111.0

C-334-F-16 Jan. 11 105.6
 631.0 Feb. 1 108.5
 Mar. 1 105.6

C-334-F-16 Apr. 1 94.6
 Cont. May 10 54.7
 June 2 51.5
 July 1 56.5
 Aug. 3 65.8
 Sep. 1 73.7
 Oct. 11 82.4
 Nov. 4 87.2
 Dec. 1 91.0
 Dec. 31 93.4

C-335-G-16 Jan. 14 276.5
 538.2 Feb. 4 275.2
 Mar. 18 274.9
 Apr. 8 273.1
 May 20 266.0
 June 10 266.4
 July 1 268.7
 Aug. 12 274.1
 Sep. 2 276.2
 Oct. 14 276.8
 Nov. 4 275.6
 Nov. 26 274.2

C-337-G-16 Jan. 14 275.2
 657.0 Feb. 4 275.3
 Mar. 18 275.8
 Apr. 8 276.1
 May 20 276.4
 June 10 276.6
 July 1 276.6
 Aug. 12 276.8
 Sep. 2 277.1
 Oct. 14 277.3
 Nov. 4 278.6
 Dec. 16 277.9

C-338-G-16 Mar. 18 250.6
 535.0 July 22 257.7
 Aug. 12 252.3
 Oct. 6 253.0

a Meas. from L.A.C.F.C.D.

Measts. by S.G.V.P.A. from L.A.C.F.C.D. except as noted.

Well Number	and	R.P. Elev.	Date	Dist.R.P. : to water : surface, : Feet
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Well Number	and	R.P. Elev.	Date	Dist.R.P. : to water : surface, : Feet
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1954				
C-343-H-16	Jan.	6		198.6
*	Feb.	3		196.8
	Mar.	3		196.5
	Oct.	27		236.0
	Nov.	24		228.9
	Dec.	16		227.9
C-360-G-16	Jan.	13		200.1
462.4	Feb.	3		199.5
	Mar.	3		199.0
	Apr.	7		198.5
	May	5		197.9
	June	9		195.6
	July	7		199.5
	Aug.	4		201.3
	Sep.	1		203.0
	Oct.	6		203.4
	Nov.	3		203.9
	Dec.	1		199.8
C-367-F-15	Jan.	13		294.5
548.9	Feb.	3		294.4
	Mar.	17		292.8
	Apr.	7		290.0
	May	5		273.3
	June	2		270.1
	June	30		279.1
	Aug.	11		287.4
	Sep.	1		289.9
	Oct.	13		292.4
	Nov.	3		292.9
	Dec.	15		292.4
C-383c-I-13	Apr.	21	a	17.2
219.4	Dec.	15	a	18.5
C-401-F-16	Apr.	13	a	153.4
882.	Nov.	23	a	155.3
C-401c-F-16	Mar.	18		258.6
704.7	Apr.	8		258.7
	May	26		257.8
	June	10		260.8

1954				
C-401c-F-16	July	1		261.9
Cont.	Aug.	12		258.9
	Sep.	19		256.5
	Oct.	14		258.0
	Nov.	4		257.3
	Dec.	16		258.6
C-404a-F-17	Jan.	13	a	153.0
1115.0	Feb.	9	a	154.3
	Mar.	25	a	94.6
	Apr.	15	a	88.7
	May	5	a	87.4
	June	2	a	98.0
	Aug.	25	a	156.8
	Nov.	23	a	136.9
	Dec.	29	a	132.0
1953				
C-405-F-17	May	1	b	413.2
950.	June	1	b	416.1
	July	1	b	419.8
	Aug.	1	b	422.2
	Sep.	1	b	425.3
	Oct.	1	b	425.0
	Nov.	1	b	425.7
	Dec.	1	b	421.5
1954				
	Jan.	1	b	418.2
	Feb.	1	b	418.2
	Mar.	1	b	419.0
	Apr.	1	b	416.5
	May	1	b	421.0
	June	1	b	425.0
	July	1	b	424.0
	Aug.	1	b	427.0
	Sep.	1	b	431.5
	Oct.	1	b	433.0
	Nov.	1	b	431.5
	Dec.	1	b	426.0

* R.P. elev. 477.9 through Mar. 3, 1954; then 505.9.

a Meas. from L.A.C.F.C.D.

b Meas. by City of Pomona from L.A.C.F.C.D.

Measts. by S.G.V.P.A. from L.A.C.F.C.D. except as noted.

Well Number	Date	Dist.R.P. to water surface, Feet
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Well Number	Date	Dist.R.P. to water surface, Feet
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1954

1954

C-426a-F-17	Apr. 20	98.4
896.	Nov. 22	114.6

C-446e-G-18	Apr. 13	192.2
934.4	Nov. 22	192.5

C-432-G-17	Apr. 13	60.5
739.9	Nov. 22	62.0

C-453-G-17	Apr. 19	115.4
531.1	July 20	162.6
	Aug. 10	160.0

C-444b-G-17	Feb. 3	197.4
741.0	Feb. 23	197.0
	Mar. 23	195.0
	Apr. 19	194.6
	June 16	200.8
	July 28	194.5
	Aug. 25	199.8
	Sep. 22	196.7
	Oct. 13	197.2
	Nov. 16	201.3
	Dec. 22	198.8

C-498-G-18	Apr. 20	197.0
1046.1	Nov. 16	211.6

C-446a-G-17	Jan. 5	93.9
880.6	Feb. 9	94.2
	Mar. 10	94.0
	Apr. 16	93.5
	May 19	93.4
	June 16	93.2
	July 20	93.0
	Aug. 14	92.5
	Sep. 22	90.0
	Oct. 13	92.0
	Nov. 16	91.9
	Dec. 22	92.4

C-500-G-18	Jan. 29	139.4
1029.0	Feb. 23	137.3
	Mar. 31	137.2
	Apr. 20	140.3
	Nov. 16	139.0
	Dec. 29	134.4

C-512b-G-18	Apr. 13	89.3
983.0	Nov. 22	89.0

C-446c-G-17	Jan. 29	221.0
869.7	Feb. 24	220.8
	Mar. 23	220.4
	Apr. 28	221.9
	May 19	246.4
	Nov. 16	216.3
	Dec. 22	212.6

C-514-G-18	Jan. 6	125.8
971.0	Feb. 3	100.1
	Mar. 3	94.5
	Apr. 7	87.2
	May 5	111.5
	June 2	121.5
	July 7	128.8
	Aug. 4	130.7
	Sep. 1	133.5
	Oct. 6	144.8
	Nov. 3	138.8
	Dec. 1	101.4

C-522-G-18	Apr. 13	59.7
930.0	Nov. 22	62.0

Measts. from L.A.C.F.C.D.

Well Number	Date	Dist.R.P.	to water	surface,	Feet
and					
R.P. Elev.					

Well Number	Date	Dist.R.P.	to water	surface,	Feet
and					
R.P. Elev.					

1954		
C-522a-G-17	Jan. 29	83.4
906.6	Feb. 24	84.8
	Mar. 23	84.4
	Apr. 28	83.8
	May 19	85.8
	June 16	84.7
	July 28	90.3
	Aug. 18	85.0
	Sep. 22	89.3
	Oct. 13	104.1
	Nov. 16	90.2
	Dec. 22	85.7

C-595-G-19	Apr. 26	151.4
1134.3	Nov. 19	152.0

C-612a-G-18	Apr. 19	180.2
1018.	June 16	181.0
	July 7	181.2
	Aug. 14	182.1
	Sep. 8	182.4
	Oct. 6	183.0
	Nov. 10	183.6
	Dec. 15	183.7

1953

C-655q-F-19	Nov. 18	13.9
1530.9		

1954

	Apr. 26	23.8
	Nov. 19	43.7

C-656h-F-20	Apr. 26	16.1
1831.0	Nov. 19	29.7

1953

C-656i-F-20	Nov. 18	54.8
2068.6		

1954

	Apr. 26	14.9
	Nov. 19	47.0

1952		
C-658-G-20	Nov. 22	159.0
1482.0	Dec. 11	150.5

1953

	Jan. 8	144.1
	Feb. 2	137.7
	Mar. 6	135.5
	May 1	137.0

1954

	Jan. 20	179.0
	Feb. 12	175.0
	Mar. 8	173.0
	Dec. 24	177.0

C-659i-G-20	Jan. 29	193.1
1511.8	Feb. 24	192.1
	Mar. 23	192.8
	Aug. 18	198.4
	Sep. 1	200.2
	Nov. 17	199.5
	Dec. 22	194.8

C-660c-G-19	Jan. 12	174.3
1319.4	Feb. 17	163.6
	Mar. 10	164.4
	Apr. 21	163.2
	Dec. 15	210.3

1953

C-664-G-20	Feb. 8	a	348.
1301.5	Mar. 8	a	342.
	Apr. 16	a	310.
	May 4	a	350.
	May 24		312.
	June 1	a	355.
	June 16	a	371.
	July 24	a	373.
	Aug. 8	a	371.
	Sep. 16	a	370.
	Oct. 8	a	385.
	Nov. 18		385.

a Meas. by owner from L.A.C.F.C.D.

Measts. from L.A.C.F.C.D. except as noted.

Well Number	:	:	Dist.R.P.
and	:	:	to water
R.P. Elev.	:	Date	surface,
	:	Feet	

Well Number	:	:	Dist.R.P.
and	:	:	to water
R.P. Elev.	:	Date	surface,
	:	Feet	

1954

C-664-G-20	May 15	a	387.
Cont.	June 15	a	395.
	July 8	a	400.
	Aug. 15	a	402.
	Sep. 15	a	407.
	Oct. 15	a	403.
	Nov. 19	a	416.

C-666-G-19	May 6		268.8
1114.	Nov. 22		263.9

C-673-H-19	Apr. 6	b	236.8
901.	Dec. 10	b	240.4

C-678k-H-19	Apr. 19		116.4
807.8	Nov. 23		115.0

C-701c-I-17	Jan. 6		36.3
523.3	Mar. 2		37.5
	Apr. 27		28.4
	May 25		29.1
	June 2		29.7
	July 20		35.6
	Aug. 8		37.8
	Sep. 15		37.8
	Oct. 8		38.3
	Nov. 23		35.9
	Dec. 21		33.5

C-703-H-18	Apr. 27		113.2
774.0			

C-705a-I-17	Apr. 27		24.8
606.5	Nov. 23		29.8

C-707-I-17	Apr. 27		13.8
455.	Dec. 21		15.4

C-708-I-15	Apr. 27		35.0
374.	Nov. 23		43.2

1954

C-803g-I-12	Apr. 13		83.5
183.	May 12		83.5
	June 9		75.7
	July 7		79.1
	Sep. 22		83.3
	Oct. 20		75.9
	Nov. 17		78.4
	Dec. 22		65.9

C-803r-I-12	Sep. 3	c	113.0
*	Oct. 8	c	108.
	Nov. 4	a	112.0
	Dec. 10	c	94.0

C-804q-I-13	Apr. 21		35.9
230.5	Dec. 15		28.8

C-811a-I-11	Jan. 7	c	190.0
181.7	Feb. 18	c	187.8
	Apr. 1	c	187.9
	Apr. 22	c	189.1
	May 13	c	190.8
	June 3	c	192.7
	July 15	c	195.4
	Aug. 5	c	199.4
	Sep. 16	c	198.9
	Oct. 5	c	199.0
	Nov. 18	c	195.6
	Dec. 9	c	193.5

C-812-I-11	Jan. 28	c	139.0
145.3	Mar. 11	c	139.9
	Apr. 1	c	138.8
	May 13	c	140.9
	June 3	c	141.0
	July 15	c	144.8
	Aug. 5	c	147.3
	Sep. 16	c	152.6
	Oct. 5	c	169.0
	Nov. 18	c	147.0
	Dec. 9	c	146.0

* Correction to previous bulletins: R.P. elev. 211. through August 23, 1948, then 213.0.

a Meas. by owner from L.A.C.F.C.D.

b Meas. from S.B.C.F.C.D.

c Meas. by S.G.V.P.A. from L.A.C.F.C.D.

Measts. from L.A.C.F.C.D. except as noted.

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1953

C-832-J-11	Jan. 1	a	127.
154.5	Feb. 1	a	129.
	Mar. 1	a	129.
	Mar. 31	a	129.
	Apr. 30	a	129.
	May 30	a	130.
	June 30	a	130.
	July 31	a	140.
	Aug.	a	140.
	Sep.	a	140.
	Oct.	a	140.
	Nov.	a	146.
	Dec.	a	146.

1954

	Jan.	a	146.
	Feb.	a	146.
	Mar.	a	144.
	Apr.	a	144.
	May	a	144.
	June	a	146.
	July	a	146.
	Aug.	a	152.
	Sep.	a	152.
	Oct.	a	155.
	Nov.	a	155.
	Dec.	a	150.

C-853-K-13	Jan. 7		96.2
110.	Feb. 18		96.3
	Mar. 11		95.2
	Apr. 1		95.0
	May 13		97.9
	June 3		100.0
	July 15		105.4
	Aug. 5		105.5
	Sep. 16		106.6
	Oct. 5	b	107.2
	Nov. 18		104.5
	Dec. 9		103.4

C-853a-K-13	Jan. 7		111.8
124.2	Feb. 18		111.6

1954

C-853a-K-13	Mar. 11		111.7
Cont.	Apr. 1		111.5
	May 13		112.4
	June 3		113.0
	July 15		114.5
	Aug. 5		115.5
	Sep. 16		117.3
	Oct. 5	b	118.3
	Nov. 18		119.4
	Dec. 9		119.6

C-872-K-11	Jan. 7		57.2
95.9	Feb. 18		56.3
	Mar. 11		56.8
	Apr. 1		57.2
	May 13		60.3
	June 3		61.8
	July 15		65.2
	Aug. 5		65.0
	Sep. 16		64.7
	Oct. 5	b	64.1
	Nov. 18		62.2
	Dec. 9		61.8

C-872a-K-11	Jan. 4		50.6
87.0	Feb. 1		49.4
	Mar. 1		50.4
	Apr. 5		50.4
	May 3		53.2
	June 7		56.1
	July 3		56.4
	Aug. 2		58.9
	Sep. 6		59.1
	Oct. 18		57.3
	Nov. 1		56.4
	Dec. 6		54.3

C-877d-L-11	Jan. 8		42.3
71.8	Feb. 19		39.4
	Mar. 12		40.7
	Apr. 2		39.9
	May 14		45.3
	June 4		47.6
	June 25		50.2

a Meas. by owner from L.A.C.F.C.D.

b Meas. from L.A.C.F.C.D.

Measts. by S.G.V.P.A. from L.A.C.F.C.D. except as noted.

Well Number	and	R.P. Elev.	Date	Dist.R.P.	to water	surface,	Feet
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Well Number	and	R.P. Elev.	Date	Dist.R.P.	to water	surface,	Feet
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1954							
C-877d-L-11	July 16	a	54.0				
Cont.	Aug. 6	a	51.8				
	Aug. 27	a	62.6				
	Sep. 17	a	50.9				
	Oct. 6	a	49.6				
	Oct. 29	a	49.1				
	Nov. 19	a	45.6				
	Nov. 22	a	46.7				
	Dec. 10	a	43.2				
	Dec. 31	a	43.7				
C-885c-L-11	Jan. 8	a	34.2				
58.0	Feb. 19	a	32.7				
	Mar. 12	a	37.2				
	Apr. 2	a	32.5				
	May 14	a	37.6				
	June 4	a	40.4				
	July 16	a	46.8				
	Aug. 6	a	45.2				
	Sep. 17	a	44.8				
	Oct. 6		43.0				
	Nov. 19	a	38.0				
	Dec. 10	a	35.7				
C-886a-L-11	Jan. 8	a	73.2				
71.0	Feb. 19	a	69.5				
	Mar. 12	a	72.2				
	Apr. 14	a	73.5				
	May 14	a	81.2				
	June 4	a	85.6				
	July 16	a	93.9				
	Aug. 6	a	93.2				
	Sep. 17	a	92.8				
	Oct. 6		90.1				
	Nov. 19	a	81.3				
	Dec. 10	a	76.6				

1951							
C-888b-L-12	Apr. 5		60.8				
*74.5	Apr. 17		60.4				
	July 5		70.0				
	Aug. 6		78.7				

1951							
C-888b-L-12	Oct. 2		73.6				
Cont.	Nov. 26		63.7				

1952							
	Jan. 8		57.5				
	Feb. 4		56.0				
	Mar. 4		58.9				
	Apr. 2		57.2				
	June 4		71.6				
	July 2		76.6				
	Aug. 25		80.7				
	Sep. 29		77.8				
	Nov. 5		71.8				
	Dec. 16		62.5				

1953							
	Jan. 6		61.1				
	Feb. 2		62.4				
	Mar. 3		67.2				
	Apr. 1		75.1				
	May 13		80.0				
	June 1		84.9				
	July 7		89.5				
	Aug. 11		91.0				
	Aug. 31		92.7				
	Oct. 5		91.5				
	Nov. 4		84.6				
	Dec. 11		76.4				

1954							
	Jan. 6		77.3				
	Feb. 3		76.8				
	Mar. 9		76.6				
	Apr. 5		74.2				
	May 18		85.6				
	June 1		89.3				
	July 6		95.7				
	Aug. 9		98.8				
	Sep. 10		98.1				
	Oct. 18		92.2				
	Nov. 8		89.7				
	Dec. 14		77.1				

* New elev.; R.P. changed.
a Meas. by S.G.V.P.A. from L.A.C.F.C.D.
Measts. from L.A.C.F.C.D. except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1954	
C-891-L-13 58.2	Jan. 7 a 55.8
	Feb. 18 a 49.5
	Mar. 12 a 50.5
	Apr. 1 a 49.5
	May 13 a 62.1
	June 3 a 68.5
	July 15 a 78.5
	Aug. 5 a 78.2
	Sep. 16 a 77.1
	Oct. 5 a 70.5
	Nov. 18 a 59.3
	Dec. 9 a 55.1
C-894-L-13 61.7	Jan. 29 55.8
	Feb. 25 58.2
	Mar. 23 59.3
	Apr. 29 61.1
	May 20 63.4
	June 22 74.7
	July 27 78.3
	Aug. 26 75.8
	Sep. 30 73.8
	Oct. 22 70.8
	Nov. 26 62.5
	Dec. 23 63.5
C-896e-M-13 53.6	Jan. 29 50.0
	Feb. 25 49.4
	Mar. 23 50.9
	Apr. 29 53.2
	May 20 61.7
	June 22 71.2
	July 27 76.3
	Aug. 26 78.2
	Sep. 30 74.4
	Oct. 22 70.4
	Nov. 26 57.6
	Dec. 23 53.7
C-897k-M-13 45.2	Jan. 29 45.1
	Feb. 25 45.0

1954		
C-897k-M-13 Cont.	Mar. 23 44.6	
	Apr. 29 51.2	
	May 20 61.4	
	June 22 70.8	
	Oct. 22 68.2	
C-900-M-13 35.3	Jan. 4 a 59.9	
	Feb. 15 a 53.1	
	Mar. 8 a 53.7	
	Apr. 19 a 50.3	
	May 10 a 61.6	
	June 21 a 82.8	
	July 12 a 86.5	
	Aug. 9 a 87.5	
	Sep. 13 a 84.7	
	Oct. 4 a 77.8	
	Nov. 22 a 59.3	
	Dec. 9 a 53.7	
C-908b-M-12 *	Jan. 8 a 86.6	
	July 16 a 114.9	
	Sep. 17 a 111.3	
	Oct. 6 a 109.8	
	Oct. 29 a 108.9	
	Nov. 19 a 99.2	
	Nov. 24 a 99.7	
	Dec. 10 a 97.7	
	Dec. 31 a 89.2	
	C-908c-M-12 32.5	Apr. 20 b 40.0
		Nov. 24 b 49.4
	C-909-N-13 25.5	Jan. 29 30.0
Feb. 26 26.6		
Mar. 30 25.7		
Apr. 30 24.7		
May 25 29.9		
June 29 39.1		
July 29 43.2		
Aug. 31 45.5		
Sep. 30 45.2		
Oct. 26 42.1		
Nov. 30 35.8		
Dec. 28 30.8		

* R.P. elev. 46.2 through January 8, 1954; then 53.3.

a Meas. by S.G.V.P.A. from L.A.C.F.C.D.

b Meas. from L.A.C.F.C.D.

Measts. from O.C.F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 Feet

1954

C-910b-0-13 Jan. 15 27.3
 8.1 Feb. 26 27.6
 Mar. 19 28.0
 Apr. 22 b 23.0
 May 21 b 26.8
 June 11 b 28.9
 July 2 b 30.9
 July 23 34.0
 Aug. 13 33.8
 Sep. 10 33.4
 Oct. 1 32.0
 Oct. 22 31.1
 Nov. 15 28.0
 Dec. 8 25.6
 Dec. 30 25.1

C-910j-0-12 Jan. 15 33.2
 17.8 Feb. 5 34.5
 Feb. 26 35.0
 Mar. 19 34.9
 Apr. 9 33.3
 Apr. 30 30.4
 May 21 33.6
 June 11 34.5
 July 2 36.1
 July 23 38.2
 Aug. 13 38.8
 Nov. 15 34.6
 Dec. 8 33.0
 Dec. 30 32.3

C-911-0-13 Jan. 15 32.3
 11.8 Feb. 5 32.1
 Mar. 19 32.7
 Apr. 9 31.9
 Apr. 30 25.9
 May 21 28.2
 June 11 35.3
 July 2 36.2
 July 23 40.2
 Aug. 13 39.7
 Sep. 10 38.5
 Oct. 1 37.2
 Oct. 22 36.5

1954

C-911-0-13 Nov. 15 32.2
 Cont. Dec. 8 30.8
 Dec. 30 30.6

C-911b-N-13 Jan. 29 a 52.0
 13.8 Feb. 26 a 54.9
 Mar. 30 a 54.9
 Apr. 30 a 51.9
 May 25 a 55.1
 June 29 a 58.4
 July 29 a 63.1
 Aug. 31 a 65.3
 Sep. 30 a 66.0
 Oct. 26 a 62.1
 Nov. 30 a 56.0
 Dec. 28 a 51.9

C-911f-0-12 Feb. 8 a 39.0
 9.0 Mar. 15 a 38.7
 Apr. 19 a 38.3
 May 24 a 38.0
 June 21 a 38.5
 July 26 a 40.3

C-912b-0-13 Jan. 25 a 57.2
 32.0 Feb. 15 a 67.2
 Mar. 15 a 55.7
 Apr. 26 a 47.2
 May 24 a 47.8
 June 21 a 61.6
 July 26 a 71.6
 Aug. 16 a 71.0
 Sep. 27 a 63.8
 Oct. 25 a 60.4
 Nov. 29 a 50.8
 Dec. 27 a 47.3

C-913c-N-11 Jan. 6 b 39.3
 37.5 Feb. 2 b 39.3
 Mar. 9 b 39.3
 Mar. 19 39.3
 Apr. 9 38.8
 May 18 b 39.2
 June 1 b 39.2

a Meas. from O.C.F.C.D.

b Meas. from L.A.C.F.C.D.

Measts. by L.B.W.D. from L.A.C.F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1954

1954

C-913c-N-11 July 6 a 39.3
 Cont. Aug. 9 a 39.3
 Sep. 10 a 39.3
 Oct. 1 a 39.2
 Nov. 8 a 39.4
 Dec. 8 a 39.4
 Dec. 30 a 39.4

C-942a-K-14 Jan. 7 b 125.0
 144. Feb. 18 b 117.1
 Mar. 11 b 116.7
 Apr. 1 b 115.4
 May 13 b 119.3
 June 3 b 112.7
 Sep. 16 b 135.3
 Oct. 5 b 198.7
 Nov. 18 b 124.4
 Dec. 9 b 122.9

C-914b-N-12 Jan. 29 58.2
 31.4 Feb. 26 58.6
 Mar. 30 58.5
 Apr. 30 59.3
 May 25 62.0
 June 29 67.1
 July 29 69.9
 Aug. 31 71.2
 Sep. 30 69.7
 Oct. 26 67.1
 Nov. 30 62.9
 Dec. 28 60.5

C-950a-M-14 Jan. 29 85.1
 70.0 Feb. 25 84.4
 Mar. 23 84.9
 May 20 99.7
 July 27 122.6
 Aug. 26 118.2
 Sep. 30 112.9
 Oct. 22 102.1
 Nov. 26 88.3
 Dec. 23 83.6

C-927c-N-14 Jan. 14 68.4
 48.3 Feb. 9 67.5
 Apr. 8 61.2
 June 10 81.1
 July 8 89.4
 Aug. 10 90.9
 Sep. 16 84.1
 Oct. 7 77.6
 Nov. 9 72.9
 Dec. 9 61.5

C-950e-M-13 Jan. 29 51.0
 48.0 Feb. 25 49.9
 Mar. 23 50.0
 Apr. 29 54.8
 May 20 65.7
 June 22 76.2
 July 27 86.4
 Aug. 26 84.4
 Sep. 30 80.5
 Oct. 22 73.0
 Nov. 26 59.3
 Dec. 23 54.2

C-929f-L-11 Jan. 4 b 104.1
 53.4 Feb. 1 b 96.4
 Mar. 1 b 102.6
 Apr. 5 b 101.8
 May 3 b 107.3
 June 7 b 119.5
 July 5 b 125.6
 Aug. 2 b 131.4
 Sep. 6 b 134.1
 Oct. 18 b 124.1
 Nov. 8 b 122.2
 Dec. 6 b 108.7

C-950n-M-14 Jan. 14 81.2
 63.7 Feb. 9 78.3
 Apr. 8 76.5
 May 11 90.1
 July 8 117.2
 Sep. 16 105.3
 Dec. 9 77.8

a Meas. from L.A.C.F.C.D.

b Meas. by S.G.V.P.A. from L.A.C.F.C.D.

Measts. from O.C.F.C.D. except as noted.

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	Feet
	Date :	

1953

C-957-H-11	Aug. 31	85.
303.0	Oct. 31	84.
	Dec. 31	85.

1954

	Feb. 28	85.
	Apr. 30	84.
	June 30	84.
	Aug. 31	84.
	Oct. 31	84.
	Dec. 31	85.

1953

C-961-I-11	Aug. 31	254.
197.0	Oct. 31	256.
	Dec. 31	248.

1954

	Feb. 28	249.
	Apr. 30	251.
	June 30	252.
	Aug. 31	263.
	Oct. 31	264.
	Dec. 31	249.

1953

C-962-I-11	Aug. 31	244.
196.0	Oct. 31	237.
	Dec. 31	235.

1954

	Feb. 28	230.
	Apr. 30	235.
	June 30	237.
	Aug. 31	248.
	Oct. 31	247.
	Dec. 31	233.

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	Feet
	Date :	

1953

C-963-I-11	July 23	291.
228.3	Aug. 31	271.
	Oct. 31	268.
	Dec. 31	268.

1954

	Feb. 28	267.
	Apr. 30	265.
	June 30	273.
	Aug. 31	278.
	Oct. 31	281.
	Dec. 31	276.

1953

C-965-I-11	Aug. 31	160.
159.5	Oct. 31	163.
	Dec. 31	158.

1954

	Feb. 28	155.
	Apr. 30	154.
	June 30	164.
	Aug. 31	167.
	Oct. 31	167.
	Dec. 31	160.

1953

C-966-I-11	July 17	182.
145.5	Aug. 31	174.
	Oct. 31	174.
	Dec. 31	170.

1954

	Feb. 28	168.
	Apr. 30	170.
	June 30	174.
	Aug. 31	180.
	Oct. 31	180.
	Dec. 31	173.

Measts. by owner from L.A.C.F.C.D.

Well Number :	Date :	Dist.R.P. to water surface, Feet
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Well Number :	Date :	Dist.R.P. to water surface, Feet
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1954

1954

C-969a-K-16	Feb. 19	105.5
386.9	May 5	103.9
	Nov. 24	106.1

C-975k-L-16	Apr. 6	126.3
Cont.	May 11	125.9
	June 10	129.0
	July 2	128.0
	Aug. 6	131.0
	Sep. 7	130.8
	Oct. 7	130.2
	Nov. 5	131.2
	Dec. 7	129.8

C-974m-L-16	Jan. 7	181.4
176.0	Feb. 4	178.9
	Mar. 9	178.2
	Apr. 6	176.8
	May 11	175.7
	June 10	177.2
	July 2	177.9
	Aug. 6	180.2
	Sep. 7	180.7
	Oct. 7	180.3
	Nov. 5	179.1
	Dec. 7	176.0

C-977b-M-16	Jan. 7	178.6
167.9	Feb. 4	169.2
	Mar. 9	168.4
	Apr. 6	166.2
	May 11	165.7
	June 10	167.6
	July 2	168.2
	Aug. 6	171.8
	Sep. 7	174.2
	Oct. 7	180.9
	Nov. 5	181.2
	Dec. 7	164.5

C-974n-M-16	Jan. 5	201.4
197.8	Feb. 2	195.7
	Mar. 4	194.3
	Apr. 1	192.1
	May 3	189.2
	June 3	188.3
	July 6	191.0
	Aug. 5	190.8
	Sep. 2	190.5
	Oct. 5	191.5
	Nov. 4	189.9
	Dec. 8	187.3

C-978-M-16	Jan. 7	183.2
173.8	Feb. 2	182.2
	Mar. 2	179.1
	Apr. 1	176.5
	May 4	174.1
	Sep. 3	185.2
	Dec. 2	181.1

C-975-I-16	Jan. 7	148.5
155.6	Feb. 4	148.3
	Mar. 9	148.4
	Apr. 6	148.4
	May 11	148.1
	June 10	148.2
	July 2	148.5
	Aug. 6	148.5
	Sep. 7	149.1
	Oct. 7	149.4
	Nov. 5	149.5
	Dec. 7	149.4

C-978a-M-16	Jan. 18	160.7
149.8	Feb. 15	156.7
	Mar. 15	157.7
	Apr. 12	153.9
	May 17	157.0
	June 21	160.2
	Aug. 2	164.9
	Sep. 27	163.4
	Oct. 25	161.3
	Nov. 29	154.6
	Dec. 27	152.6

C-975k-L-16	Jan. 7	128.6
129.4	Feb. 4	127.7
	Mar. 9	127.4

C-980-L-15	Jan. 29	113.1
113.3	Feb. 25	112.7
	Mar. 23	111.6
	Apr. 29	111.7

Measts. from O.C.F.C.D.

Well Number :	Dist.R.P.
and :	to water
R.F. Elev. :	surface,
Date :	Feet

Well Number :	Dist.R.P.
and :	to water
R.F. Elev. :	surface,
Date :	Feet

1954

C-980-L-15	May 20	113.2
Cont.	June 22	116.5
	Sep. 30	121.2
	Oct. 22	119.2
	Nov. 26	117.2
	Dec. 23	114.9

C-982L-M-14	Jan. 14	59.3
91.7	Feb. 9	58.7
	Mar. 11	58.7
	Apr. 8	57.8
	May 11	57.9
	June 10	59.6
	July 8	60.2
	Aug. 10	60.7
	Sep. 16	61.0
	Oct. 7	61.3
	Nov. 9	60.5
	Dec. 9	59.3

C-983e-M-15	Jan. 7	116.5
108.0	Feb. 4	111.7
	Mar. 9	111.7
	Apr. 6	110.4
	May 11	112.1
	July 2	118.8
	Aug. 6	120.6
	Sep. 7	121.6
	Dec. 7	113.8

C-984b-N-14	Jan. 20	60.6
64.7	Feb. 24	57.8
	Mar. 24	57.8
	Apr. 28	58.5
	May 26	65.8
	June 16	68.9
	July 14	74.4
	Aug. 18	73.2
	Sep. 15	71.5
	Oct. 13	67.5
	Nov. 17	62.9
	Dec. 22	59.6

C-985-N-14	Jan. 14	57.8
60.6	Feb. 9	55.1
	Mar. 11	55.6
	Apr. 8	53.4

1954

C-985-N-14	May 11	57.2
Cont.	Nov. 9	61.2
	Dec. 9	55.9

C-986e-N-15	Jan. 14	122.5
112.1	Feb. 11	120.2
	Mar. 11	119.3
	Apr. 9	118.3
	May 13	119.1
	June 10	120.1
	July 9	122.2
	Aug. 12	124.4
	Sep. 17	125.6
	Nov. 12	124.1
	Dec. 10	122.5

C-991e-O-13	Jan. 6	41.2
17.4	Feb. 10	46.7
	Mar. 17	44.1
	Apr. 21	35.2
	May 26	40.9
	June 16	42.8
	July 14	49.6
	Aug. 18	49.3
	Sep. 15	47.6
	Oct. 13	43.5
	Nov. 17	38.4
	Dec. 15	34.5

C-992b-P-14	Jan. 15	41.8
22.2	Mar. 12	48.4
	Apr. 13	36.7
	May 14	38.8
	June 11	41.2
	July 13	46.4
	Aug. 17	46.6
	Sep. 21	45.2
	Oct. 14	42.7
	Nov. 16	39.9
	Dec. 14	36.4

C-992e-P-13	Jan. 25	38.6
15.4	Feb. 8	44.6
	Apr. 19	31.0
	May 17	34.0
	June 21	37.7
	July 26	44.7

Measts. from O.C.F.C.D.

Well Number :	Date :	R.P.Elev. to water surface, Feet
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Well Number :	Date :	R.P.Elev. to water surface, Feet
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1954		
C-992e-P-13	Aug. 23	42.3
Cont.	Sep. 27	41.0
	Oct. 25	37.0
	Nov. 29	33.2
	Dec. 27	30.8
C-993-P-14	Jan. 15	48.4
28.9	Apr. 13	45.5
	May 14	45.9
	June 11	48.7
	July 13	54.2
	Aug. 17	57.1
	Sep. 21	55.7
	Oct. 14	51.2
	Nov. 16	48.0
	Dec. 14	44.9
C-997-P-14	Jan. 15	71.4
56.1	Feb. 16	70.1
	Mar. 12	71.2
	Apr. 13	71.6
	May 14	71.6
	June 11	71.7
	July 13	71.8
	Aug. 17	72.8
	Sep. 21	73.1
	Oct. 14	73.1
	Nov. 16	73.2
	Dec. 14	73.9
C-999f-P-14	Jan. 15	66.4
49.1	Feb. 16	70.2
	Mar. 12	73.7
	Apr. 13	66.9
	May 14	66.1
	June 11	68.3
	July 13	70.9
	Aug. 17	72.2
	Sep. 21	71.2
	Oct. 14	70.4
	Nov. 16	67.6
	Dec. 14	64.8
C-1056-M-16	Feb. 2	195.5
201.2	Mar. 2	190.0

1954		
C-1056-M-16	Apr. 1	185.5
Cont.	May 4	179.2
	June 1	178.8
C-1058-M-17	Jan.	a 210.0
203.8	Feb.	a 206.0
	Apr.	a 198.9
	May	a 196.1
	June	a 196.0
	July	a 218.9
	Aug.	a 217.2
	Sep.	a 220.1
	Oct.	a 218.5
	Nov. 29	a 206.2
	Dec. 27	a 203.9
C-1065-M-16	Jan. 7	201.1
201.8	Feb. 2	199.0
	Mar. 2	197.5
	Apr. 1	195.0
	May 4	191.3
	June 1	190.5
	July 1	190.2
	Aug. 3	192.1
	Sep. 3	193.3
	Oct. 1	193.3
	Nov. 4	193.0
	Dec. 2	191.2
C-1073-M-17	Jan. 7	211.8
215.9	Feb. 2	210.2
	Mar. 2	208.0
	Apr. 1	204.2
	May 4	198.5
	Oct. 1	197.4
	Dec. 2	194.3
C-1078d-M-17	Jan. 7	202.1
238.6	Feb. 2	197.0
	Mar. 2	178.2
	Apr. 1	163.5
	May 4	156.0
	Oct. 1	176.0
	Dec. 2	167.2

a Meas. from S.A.V.I.Co.

Measts. from O.C.F.C.D. except as noted.

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

1954

C-1079a-M-17	Jan. 7	181.5
248.3	Feb. 2	171.0
	Mar. 2	152.0
	May 4	116.8
	Oct. 1	130.7
	Dec. 2	127.9

C-1082-L-18	Jan. 27	49.6
260.8	Feb. 24	36.9
	Mar. 24	28.7
	Apr. 28	21.8
	May 26	18.2
	June 9	18.5
	July 21	19.5
	Aug. 11	19.5
	Sep. 8	20.0
	Sep. 29	23.3
	Nov. 17	25.0
	Dec. 8	24.8
	Dec. 29	19.6

C-1085-L-17	Jan. 7	204.9
245.	Feb. 2	203.1
	Mar. 2	196.8
	Apr. 1	176.0
	May 4	160.2
	June 1	150.3
	July 1	147.2
	Aug. 3	149.0
	Sep. 3	150.0
	Oct. 1	151.6
	Nov. 4	155.4
	Dec. 2	156.5

C-1089-L-16	Mar. 2	219.6
228.8	Apr. 1	216.7
	May 4	208.2
	June 1	207.0
	July 1	204.9
	Aug. 3	207.6

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

1954

C-1089-L-16	Sep. 3	208.2
Cont.	Oct. 1	206.0
	Nov. 4	207.3

C-1097-L-17	Feb. 19	187.8
336.2	May 5	184.5
	Aug. 26	182.1
	Nov. 24	183.3

C-1105a-N-17	Jan. 22	250.1
246.2	Feb. 23	248.2
	Mar. 19	247.1
	Apr. 20	245.3
	May 18	243.8
	June 18	243.6
	July 27	245.3
	Aug. 24	248.0
	Sep. 28	250.4
	Oct. 21	250.5
	Nov. 26	249.2
	Dec. 21	247.0

C-1105b-M-17	Jan. 22	280.0
273.5	Feb. 23	278.4
	Mar. 19	277.3
	Apr. 20	275.7
	May 18	273.8
	June 18	273.1
	July 27	273.9
	Aug. 24	276.3
	Sep. 28	278.2
	Oct. 21	279.0
	Nov. 26	280.4
	Dec. 21	277.1

C-1109g-N-18	Mar. 19	335.6
332.4	Apr. 20	331.1
	June 18	336.1
	July 27	341.0
	Oct. 21	346.7
	Dec. 21	333.7

Measts. from O.C.F.C.D.

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

1954

1954

C-1109i-N-18 Sep. 28 61.0
409.9

C-1122b-N-16 Mar. 2 158.8
Cont. Apr. 1 158.7
 May 4 158.3

C-1112-N-18 Jan. a 305.0
290.4 Mar. a 305.0
 Apr. a 305.0
 May a 304.2
 June a 304.0
 July a 304.0
 Aug. a 303.0
 Sep. a 304.2
 Oct. a 304.6
 Nov. 29 a 296.7
 Dec. 27 a 295.7

 June 1 158.6
 July 1 158.9
 Aug. 3 159.4
 Sep. 3 159.9
 Oct. 1 160.3
 Nov. 4 160.6
 Dec. 2 160.6

C-1120-N-16 Jan. 20 154.7
153.5 Feb. 24 153.8
 Mar. 24 153.4
 Apr. 28 152.0
 May 26 152.5
 June 23 153.3
 July 21 155.6
 Aug. 25 157.0
 Sep. 22 156.9
 Oct. 27 157.4
 Nov. 24 156.3
 Dec. 22 154.6

C-1123b-N-16 Jan. 18 147.9
145. Feb. 15 145.0
 Mar. 22 143.7
 Apr. 26 142.6
 May 24 145.2
 June 14 145.8
 July 12 147.5
 Aug. 2 148.1
 Sep. 20 149.5
 Oct. 18 150.0
 Nov. 22 146.9
 Dec. 27 145.6

C-1126b-M-16 Jan. 25 174.6
175.3 Feb. 15 174.1
 Mar. 22 174.1
 Apr. 26 171.2
 May 24 172.8
 June 14 172.7
 July 19 175.4
 Aug. 16 175.4
 Sep. 20 175.8
 Oct. 25 174.7
 Nov. 29 171.4
 Dec. 27 170.3

C-1121b-N-17 Jan. 22 181.0
179.4 Feb. 23 178.8
 Mar. 19 177.9
 Apr. 20 176.1
 May 18 176.7
 June 18 177.2
 July 27 181.7
 Aug. 24 183.7
 Sep. 27 184.7
 Nov. 26 179.4
 Dec. 21 176.8

C-1128a-N-16 Jan. 14 149.3
140.1 Feb. 11 147.5
 Mar. 11 146.6
 Apr. 9 145.7
 May 13 145.7

C-1122b-N-16 Jan. 7 159.1
163.1 Feb. 2 159.1

a Meas. from S.A.V.I.Co.
Measts. from O.C.F.C.D. except as noted.

Well Number : : Dist.R.F.
 and : : to water
 R.P. Elev. : : surface,
 Date : : Feet

Well Number : : Dist.R.F.
 and : : to water
 R.P. Elev. : : surface,
 Date : : Feet

1954

1954

C-1128a-N-16 June 10 147.4
 Cont. July 9 148.9
 Aug. 12 150.4
 Sep. 17 151.5
 Oct. 8 151.7
 Nov. 12 151.3
 Dec. 10 149.6

C-1140e-N-16 Nov. 12 133.2
 Cont. Dec. 10 130.9

C-1150b-N-17 July a 224.7
 206.3 Aug. a 221.5
 Sep. a 291.0
 Nov. 29 a 214.7
 Dec. 27 a 212.0

C-1129m-N-16 Jan. 14 149.5
 136.1 Feb. 11 144.8
 Mar. 11 144.5
 Apr. 9 141.9
 June 10 146.0
 July 9 149.7
 Aug. 12 152.0
 Dec. 10 142.8

C-1153b-O-15 Jan. 14 102.6
 93.6 Feb. 11 101.5
 Mar. 11 101.2
 Apr. 9 100.2
 May 13 100.8
 July 9 104.0
 Aug. 12 106.0
 Sep. 17 106.9
 Oct. 8 106.4
 Nov. 12 105.7

C-1130a-N-15 Jan. 14 122.7
 107.4 Feb. 11 116.8
 Mar. 11 115.4
 Apr. 9 114.6
 May 10 114.8
 June 10 119.6
 July 9 122.8

C-1157a-N-15 Jan. 18 95.9
 85.0 Feb. 15 95.1
 Mar. 22 94.5
 Apr. 26 95.6
 May 24 95.0
 June 21 96.4
 July 26 99.3
 Aug. 23 100.2
 Sep. 27 100.6
 Oct. 25 100.9
 Nov. 29 97.7
 Dec. 27 97.2

C-1131-N-17 Jan. 22 161.9
 160.2 Feb. 23 161.0
 Mar. 19 159.4
 Apr. 20 158.2
 May 18 159.7
 June 18 159.9
 July 27 161.9
 Aug. 24 161.7
 Sep. 27 163.0
 Oct. 21 162.9
 Nov. 26 162.3
 Dec. 21 158.8

C-1162-O-16 Jan. 14 100.4
 96.6 Feb. 11 99.2
 Mar. 11 98.4
 Apr. 9 97.9
 May 13 98.1
 June 10 99.2
 July 9 100.2
 Aug. 12 101.4
 Sep. 17 102.3
 Oct. 8 102.3

C-1140e-N-16 Feb. 11 128.7
 119. Mar. 11 127.8
 Apr. 9 126.9
 May 13 128.4
 June 10 130.1
 July 9 132.1

a Meas. from S.A.V.I.Co.
 Measts. from O.C.F.C.D. except as noted

Well Number	Date	Dist.R.P.	to water	surface,	Feet

Well Number	Date	Dist.R.P.	to water	surface,	Feet

		1954	
C-1162-0-16	Nov. 12		102.1
Cont.	Dec. 10		101.0
C-1168-0-15	Jan. 14		88.6
75.5	Feb. 11		87.5
	May 13		87.9
	June 10		90.4
	Sep. 17		92.8
	Oct. 8		93.4
	Nov. 12		90.9
	Dec. 10		95.2
C-1180-P-17	Jan. 26		63.7
38.3	Feb. 18		58.9
	Mar. 16		78.0
	Apr. 15		60.7
	May 14		62.0
	June 15		66.0
	July 15		87.4
	Aug. 23		74.1
	Sep. 23		70.6
	Oct. 15		67.0
	Nov. 18		61.5
	Dec. 16		57.2
C-1193a-0-17	Mar. 19		173.9
171.1	Apr. 20		170.0
	May 18		169.0
C-1195b-0-18	Jan. 6		197.0
180.2	Feb. 3		190.9
	Mar. 3		187.9
	Apr. 7		184.7
	May 5		183.5
	June 2		186.2
	July 7		192.0
	Aug. 4		198.5
	Sep. 8		199.4
	Oct. 6		200.8
	Nov. 3		200.4
	Dec. 8		192.9
C-1197-0-17	Jan. 22		130.5
151.6	Feb. 23		128.2
	Mar. 19		127.5
	May 18		126.3

		1954	
C-1197-0-17	June 18		127.9
Cont.	July 27		130.2
	Aug. 24		132.2
	Sep. 28		134.7
	Oct. 21		134.6
	Nov. 26		130.7
	Dec. 21		129.6
C-1206b-P-17	Jan. 26		99.1
86.8	Feb. 18		99.4
	Mar. 16		105.2
	Apr. 15		99.6
	May 14		99.4
	June 15		108.5
	Aug. 23		115.0
	Sep. 23		115.3
	Nov. 18		107.5
	Dec. 16		97.1
C-1208b-P-18	Mar. 1	a	103.1
86.8	Aug. 23	a	128.5
	Nov. 15	a	105.0
1949			
C-1208i-P-18	Feb. 23	a	100.5
118.7			
1950			
	Mar. 1	a	111.3
	Nov. 1	a	133.8
1951			
	Nov. 12	a	135.7
1952			
	Feb. 27	a	108.9
	July 1	a	112.0
	Nov.	a	119.2
1953			
	Nov.	a	130.0

a Meas. from owner.

Measts. from O.C.F.C.D. except as noted.

Well Number :	Dist. R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist. R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1954

1954

C-1208i-P-18	Sep. 10	a	142.0
Cont.	Nov. 12	a	127.5

C-1217a-Q-19	Aug. 24		293.2
Cont.	Oct. 19		280.8
	Nov. 23		279.4
	Dec. 17		270.9

C-1211a-P-18	Jan. 28		107.9
105.9	Feb. 22		104.4
	Apr. 16		103.1
	Aug. 24		165.7
	Sep. 28		139.2
	Nov. 23		127.9

C-1220a-Q-18	Jan. 28		106.0
147.	Feb. 22		105.6
	Apr. 16		103.2
	May 18		103.3
	June 17		106.2
	Aug. 24		108.7
	Sep. 28		108.6
	Oct. 19		108.6
	Dec. 17		106.4

C-1211c-P-18	Jan. 28		157.3
157.0	Feb. 22		152.9
	Mar. 18		148.5
	Apr. 16		145.6
	May 18		152.2
	Aug. 24		195.0
	Oct. 19		187.8

C-1220t-Q-19	Mar. 5	a	153.2
178.2	Sep. 30	a	180.1
	Nov. 18	a	144.3

C-1211k-P-18	Jan. 28		86.0
77.2	Feb. 22		82.2
	Mar. 18		85.1
	Apr. 16		75.7
	May 18		97.3
	July 20		129.2
	Oct. 19		106.0
	Nov. 23		93.0
	Dec. 17		83.7

C-1222n-P-18	Mar. 1	a	101.0
99.4	Sep. 28	a	180.6
	Nov. 15	a	162.0

C-1216b-P-19	Jan. 28		216.1
220.2	Mar. 18		210.2
	Apr. 16		207.5
	Aug. 24		240.1
	Oct. 19		232.9
	Nov. 23		236.7
	Dec. 17		217.3

C-1224-Q-18	Jan. 28		72.2
96.	Feb. 22		75.2
	Mar. 18		74.6
	Apr. 16		72.4
	May 18		79.0
	June 17		89.8
	July 20		90.7
	Aug. 24		104.9
	Sep. 28		106.1
	Oct. 19		100.8
	Nov. 23		81.6
	Dec. 17		79.8

C-1217a-Q-19	Jan. 28		269.2
283.4	Feb. 22		269.7
	Mar. 18		266.2
	Apr. 16		264.4
	May 18		266.5
	July 20		289.1

C-1225-Q-18	Jan. 28		11.9
101.0	Feb. 22		11.7
	Mar. 18		11.6
	Apr. 16		11.3
	May 18		11.8
	June 17		12.5

a Meas. from owner

Measts. from O.C.F.C.D. except as noted.

Well Number	:	:	Dist.R.P.
and	:	:	to water
R.P. Elev.	:	Date	surface, Feet

Well Number	:	:	Dist.R.F.
and	:	:	to water
R.P. Elev.	:	Date	surface, Feet

1954			
C-1225-Q-18	July 20		13.4
Cont.	Aug. 24		14.5
	Sep. 28		15.5
	Oct. 19		16.0
	Nov. 23		16.5
	Dec. 17		16.4
C-1227c-P-18	Mar. 1	a	77.1
69.7	Nov. 15	a	128.3
C-1227f-Q-17	Mar. 1	a	66.4
45.0	Sep. 28	a	76.0
	Nov. 15	a	67.7
C-1230-P-17	Jan. 26		39.4
54.2	Feb. 18		34.7
	Mar. 16		34.0
	Apr. 15		30.7
	May 14		31.9
	June 15		33.9
	July 15		36.0
	Aug. 23		36.3
	Sep. 23		36.6
	Oct. 15		36.8
	Nov. 18		35.6
	Dec. 16		34.5
C-1231b-P-17	Jan. 26		64.7
39.9	Feb. 18		67.1
	Apr. 15		63.5
	May 14		66.6
	June 15		72.9
	Aug. 23		80.9
	Sep. 23		77.7
	Oct. 15		72.2
	Nov. 18		65.3
	Dec. 16		60.5
C-1243-Q-16	Jan. 26		26.1
40.1	Feb. 18		26.1
	Mar. 16		25.8
	Apr. 15		25.7
	May 14		25.2
	June 15		25.6
	July 15		25.8

1954			
C-1243-Q-16	Aug. 23		26.1
Cont.	Sep. 23		26.7
	Oct. 15		26.8
	Nov. 18		26.8
	Dec. 16		26.6
C-1249-Q-16	Apr. 15		70.6
40.2	May 14		69.1
	June 15		71.8
	Aug. 23		76.4
C-1250-P-15	Jan. 18		59.9
38.9	Feb. 15		60.0
	Mar. 15		63.2
	Apr. 12		55.0
	May 17		51.7
	June 14		53.0
	July 26		59.1
	Aug. 23		57.0
	Sep. 27		55.7
	Oct. 25		54.3
	Nov. 29		52.5
	Dec. 27		51.7
C-1255-P-15	Jan. 15		43.6
27.4	Feb. 16		47.8
	Mar. 12		54.1
	Apr. 13		45.2
	May 14		44.5
	June 11		48.4
	July 13		54.9
	Aug. 17		53.4
	Sep. 21		50.5
	Oct. 14		47.4
	Nov. 16		43.1
	Dec. 14		41.0
C-1257-Q-15	Jan. 15		31.3
14.0	Feb. 16		37.1
	Mar. 12		43.8
	Apr. 13		34.1
	May 14		30.7
	June 11		33.7
	July 13		36.4
	Aug. 17		38.1

a Meas. from owner.
Measts. from O.C.F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.F. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1954

C-1257-Q-15 Sep. 21 35.9
 Cont. Oct. 14 33.5
 Nov. 16 30.4
 Dec. 14 28.4

C-1263-Q-14 Jan. 6 9.2
 4.9 Feb. 3 8.9
 Mar. 3 8.4
 Apr. 7 7.8
 May 5 6.9
 June 9 6.8
 July 7 7.3
 Aug. 4 8.0
 Sep. 1 8.4
 Oct. 6 8.7
 Nov. 3 8.6
 Dec. 8 8.3

C-1263a-Q-14 Jan. 6 12.7
 6.8 Feb. 3 14.2
 Mar. 3 17.4
 Apr. 7 15.2
 May 5 13.3
 June 2 13.6
 July 7 13.9
 Aug. 4 14.9
 Sep. 8 14.9
 Oct. 6 14.1

1954

C-1263a-Q-14 Nov. 3 13.8
 Cont. Dec. 8 12.5

C-1264-Q-14 Jan. 15 15.6
 11.8 Feb. 16 17.3
 Mar. 12 19.3
 Apr. 13 17.6
 May 14 15.8
 June 11 16.1
 July 13 16.7
 Aug. 17 17.4
 Sep. 21 17.0
 Oct. 14 16.6
 Nov. 16 16.2
 Dec. 14 15.2

C-1265-Q-15 Jan. 15 14.2
 6.5 Feb. 16 16.3
 Mar. 12 19.7
 Apr. 13 15.5
 May 14 13.3
 June 11 14.2
 July 13 15.0
 Aug. 17 15.7
 Sep. 21 15.1
 Oct. 14 14.4
 Nov. 16 13.4
 Dec. 14 12.4

Measts. from O.C.F.C.D.

Records of Ground Water Levels at Wells
in District "D"

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1953

D-705-F-20	July 8	167.9
1831.5	Aug. 5	174.7
	Sep. 21	180.7
	Oct. 14	191.7
	Nov. 11	194.8
	Dec. 9	197.5

1954

	Jan. 5	200.1
	Feb. 3	198.2
	Mar. 3	190.3
	Mar. 31	181.3
	Apr. 28	175.3
	May 26	177.1
	June 24	179.5
	July 21	182.8
	Aug. 18	184.7
	Sep. 15	185.2

D-705g-F-20	Jan. 4	a	226.2
1840.	Feb. 1	a	211.5
	Mar. 1	a	201.6
	Apr. 5	a	190.
	May 3	a	189.
	June 7	a	203.0
	July 5	a	211.
	Aug. 2	a	217.1
	Sep. 6	a	214.
	Oct. 4	a	209.8
	Nov. 1	a	210.9
	Dec. 6	a	190.

D-707-F-21	Jan. 22	401.1
1840.4	Feb. 17	397.7
	Mar. 17	398.9
	Apr. 14	401.8
	May 12	402.1
	June 9	402.1
	July 7	402.9
	Aug. 4	403.2
	Sep. 1	400.6
	Sep. 15	405.5
	Nov. 17	399.9
	Dec. 15	395.5

1954

D-711b-F-20	Apr. 9	b	346.2
1692.	Dec. 17	b	356.6

D-711d-F-20	Apr. 9	b	255.0
1574.4	Dec. 17	b	268.0

D-713b-G-20	Jan. 20	c	338.6
1500.	Feb. 12	c	336.
	Mar. 8	c	335.2
	Apr. 19	c	338.4
	May 5	c	333.5
	June 15	c	331.5
	July 15	c	336.7
	Aug. 16	c	333.
	Sep. 15	c	332.7
	Oct. 15	c	332.4
	Nov. 15	c	334.9
	Dec. 24	c	337.5

D-716-G-21	Jan. 4	a	522.
1212.8	Feb. 1	a	522.
	May 3	a	520.
	June 1	a	518.
	July 1	a	522.
	Aug. 2	a	524.
	Sep. 1	a	524.
	Oct. 1	a	524.
	Nov. 1	a	525.
	Dec. 1	a	525.

D-718a-G-20	Jan. 20	c	524.
1215.	Feb. 12	c	525.
	Mar. 8	c	523.
	Apr. 19	c	519.
	May 5	c	522.
	Nov. 15	c	527.
	Dec. 24	c	526.

D-721b-G-20	Apr. 6	b	291.7
1049.4	Dec. 17	b	340.3

D-724-G-21	Apr. 9	b	478.6
1173.0	Dec. 17	b	477.3

a Meas. from Upland Water Dept.

b Meas. from S.B.C.F.C.D.

c Meas. from West End Consolidated Water Co.

Measts. from San Antonio Water Co. except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1953

D-725a-G-21 1128.4	July 22	a	426.4
	Aug. 19	a	427.5
	Oct. 14	a	429.8
	Nov. 25	a	429.9
	Dec. 23	a	428.9

1954

	Jan. 5	a	428.2
	Mar. 31	a	427.5
	Apr. 14	a	426.2
	Dec. 1	a	403.

D-727-H-21 1093.	Jan. 22	a	408.8
	Feb. 17	a	404.2
	Mar. 17	a	405.9
	Apr. 14	a	399.3
	May 12	a	400.2
	July 7	a	404.1
	Aug. 4	a	404.9
	Sep. 1	a	407.2
	Oct. 29	a	409.0
	Nov. 13	a	408.8
Dec. 1	a	399.	
Dec. 29	a	404.5	

D-728-H-20 1032.	Apr. 6		361.9
	Dec. 10		352.4

D-729-H-20 985.	Apr. 6		307.8
	Dec. 10		315.1

D-735-H-21 922.0	Jan. 4		253.3
	Apr. 6		254.4
	Dec. 10		255.3

D-740-H-20 844.	Jan. 7		186.4
	Feb. 1		184.9
	Mar. 1		185.1
	Apr. 2		187.6
	May 3		188.0

1954

D-743h-I-19 771.	Mar. 15		112.5
	Dec. 16		115.2

D-743z-I-19 746.0	Jan. 7		96.6
	Feb. 1		87.6
	Mar. 1		88.9
	Apr. 2		85.3
	May 3		93.5
	June 1		100.9
	July 1		109.1
	Aug. 2		118.3
	Sep. 2		114.0
	Oct. 1		108.6
Nov. 1		103.9	
Dec. 1		94.3	

D-750a-I-21 743.5	Dec. 8		92.8
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D-751-I-20 765.	Dec. 8		93.7
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D-752-I-20 713.4	Mar. 9		69.9
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D-753a-I-20 744.4	Mar. 9		93.4
	Dec. 8		92.2

D-753b-I-20 702.1	Mar. 9		58.8
	Dec. 8		61.3

D-754a-I-19 727.8	Mar. 9		70.2
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D-761a-I-21 675.8	Mar. 8		56.8
	Mar. 26	b	56.2
	Dec. 8		70.2

D-762a-I-21 692.6	Mar. 8		68.4
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D-763-J-21 651.9	Nov. 1		52.8
	Dec. 1		54.6

a Meas. from San Antonio Water Co.

b Meas. from O.C.F.C.D.

Measts. from S.B.C.F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : service,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : service,
 : : Feet

1954

1954

D-766-J-20 Mar. 5 31.4
 * Sep. 27 44.8
 Dec. 7 37.4

D-768-J-19 Mar. 17 33.2
 704.8

D-771a-J-20 Mar. 26 a 27.7
 600.5

D-771e-J-20 Mar. 5 21.1
 583.8 Sep. 27 29.7

D-772-J-20 Mar. 26 2.5
 571.3 Oct. 19 12.4

D-773-J-21 Mar. 5 18.6
 587.0 Sep. 27 33.2

D-776c-J-20 Jan. 15 12.9
 555.5 Feb. 12 9.5
 Mar. 12 7.8
 Apr. 12 6.8
 May 14 8.2
 June 9 13.1
 June 23 12.4
 Aug. 6 16.2
 Aug. 20 17.2
 Sep. 17 22.6
 Oct. 18 20.5
 Nov. 15 17.4
 Dec. 23 11.3

D-776e-J-21 Jan. 7 17.5
 573.6 Feb. 1 11.9
 Mar. 1 8.2
 Apr. 2 6.0
 July 1 15.5
 Oct. 1 26.4
 Nov. 1 22.7
 Dec. 1 22.4

D-777a-J-20 Mar. 5 4.0
 538.0 Sep. 27 15.7
 Dec. 7 6.1

D-780-K-20 Mar. 5 15.5
 523.7 Sep. 27 21.4
 Dec. 7 18.9

D-782-K-21 Jan. 4 37.3
 552.8 Jan. 29 37.1
 Feb. 26 36.9
 Mar. 29 36.6
 Apr. 12 35.8
 May 14 35.3
 June 9 35.1
 July 7 35.5
 Aug. 6 36.3
 Sep. 3 37.4
 Oct. 4 37.9
 Oct. 29 38.4
 Nov. 30 39.0
 Dec. 23 39.4

D-783-K-21 Jan. 11 a 36.7
 540.3 Feb. 11 a 36.3
 Mar. 8 a 36.2
 Apr. 16 a 36.0
 May 17 a 36.3
 June 15 a 36.5
 July 20 a 36.8
 Aug. 19 a 37.1
 Sep. 27 a 37.4
 Oct. 21 a 37.5
 Nov. 17 a 37.4
 Dec. 13 a 37.3

D-784d-K-21 Jan. 11 a 3.6
 ** Feb. 12 a 1.5
 Mar. 8 a 1.0
 Apr. 16 a 0.8

* R.P. elev. 605.8 through Sept. 27, 1954; then 603.5.

** Correction to previous bulletins: R.P. elev. should be 501.6 through Feb. 6, 1940; 501.7 through July 7, 1950; then 501.5.

a Meas. from O.C.F.C.D.

Measts. from S.B.C.F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1954

1954

D-784d-K-21 May 17 a 4.2
 Cont. June 15 a 5.4
 Aug. 19 a 12.3
 Sep. 27 a 11.0
 Oct. 21 a 7.4
 Nov. 17 a 4.2
 Dec. 13 a 2.9

D-801-K-21 Jan. 13 18.7
 563.5 Feb. 11 17.0
 Mar. 10 16.6
 Apr. 14 16.4
 Apr. 28 16.6
 Oct. 27 20.6
 Nov. 24 18.6
 Dec. 29 17.5

D-788-K-21 Jan. 4 8.3
 479.3 Jan. 29 5.6
 Feb. 26 6.6
 Mar. 29 6.6
 Apr. 26 7.2
 May 26 7.6
 June 23 7.9
 July 23 8.4
 Aug. 20 8.8
 Sep. 17 8.6
 Oct. 18 8.2
 Nov. 15 8.0
 Dec. 23 7.4

D-802-K-21 Jan. 4 13.1
 545.6 Feb. 12 12.8
 Mar. 29 12.3
 Nov. 15 10.4
 Nov. 30 14.6

D-811a-K-22 Mar. 26 62.2
 592.7

D-812-K-22 Feb. 11 a 31.7
 562.8 Mar. 8 a 31.7
 Apr. 16 a 31.5
 Nov. 18 a 34.1
 Dec. 13 a 32.9

D-788a-K-21 Jan. 11 a 8.4
 489.5 Feb. 11 a 7.5
 Mar. 8 a 7.3
 Apr. 16 a 7.3
 May 17 a 7.5
 June 15 a 7.9
 July 19 a 9.1
 Aug. 19 a 9.4
 Sep. 27 a 9.8
 Oct. 13 a 9.3
 Nov. 17 a 8.7
 Dec. 13 a 8.2

D-813-K-22 Jan. 13 9.2
 547.4 Feb. 11 8.7
 Mar. 10 8.5
 Apr. 14 9.0
 May 13 10.1
 June 9 10.2
 July 7 11.7
 Aug. 4 12.4
 Sep. 1 11.4
 Sep. 29 11.5
 Oct. 27 10.7
 Nov. 29 9.9
 Dec. 29 9.0

D-789-L-21 Jan. 11 a 10.2
 477.6 Feb. 11 a 7.9
 Mar. 8 a 8.5
 Apr. 16 a 8.9
 May 17 a 9.2
 June 15 a 9.4
 Oct. 13 a 10.0

D-902a-I-21 Mar. 12 107.1
 751.5 Dec. 15 111.8

D-905-J-21 Mar. 26 a 33.0
 632.2

a Meas. from O.C.F.C.D.

Measts. from S.B.C.F.C.D. except as noted.

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	service,
Date :	Feet

1954

D-905a-J-21	Mar. 26	a	28.4
622.6	Oct. 19	a	44.4
D-906b-J-21	Jan. 13		19.0
594.1	Feb. 11		13.2
	Mar. 10		13.4
	Apr. 14		10.2
	May 13		25.1
	June 9		29.5
	July 7		30.9
	Aug. 4		35.2
	Sep. 1		35.2
	Sep. 29		31.4
	Oct. 27		25.5
	Nov. 24		17.0
	Dec. 29		13.6
D-906d-J-21	Jan. 13		22.4
602.8	Feb. 11		22.3
	Mar. 10		19.4
	Apr. 14		17.7
	May 13		25.6
	June 9		29.2
	June 23		33.8
	Sep. 15		32.6
	Oct. 14		30.0
	Nov. 10		27.2
	Dec. 9		19.9
D-907a-J-22	Dec. 6		31.7
606.9			
D-908a-J-22	Mar. 26	a	26.7
626.0	Oct. 19	a	40.8
D-909-J-22	Apr. 2		44.7
658.6	May 3		48.0
	June 1		49.8
	Aug. 2		59.4
	Sep. 2		59.4
	Sep. 28		53.8
	Oct. 1		57.0
	Dec. 1		51.3

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	service,
Date :	Feet

1954

D-910-I-22	Mar. 8		89.5
725.5	Dec. 8		97.0
D-913-I-22	Mar. 12		169.0
828.2	Dec. 15		172.7
D-914-I-22	Mar. 9		138.2
780.0			
D-915-I-22	Jan. 7		88.0
717.9	Feb. 1		85.2
	Mar. 1		84.2
	Apr. 2		83.2
	May 3		84.0
	June 1		88.8
	July 1		93.1
	Aug. 2		95.7
	Sep. 2		96.2
	Dec. 1		92.4
D-918d-J-22	Mar. 10		33.5
599.8			
D-919c-J-22	Mar. 4		43.5
627.9	Sep. 29		50.2
	Dec. 6		45.4
D-922-I-22	Mar. 9		92.3
726.6	Dec. 14		96.3
D-922c-I-22	Mar. 3		77.2
712.6			

1953

D-928-I-23	Aug. 18	b	72.6
*	Dec. 9	b	75.6

1954

	Mar. 26	b	72.4
	Apr. 5	b	67.7
	Nov. 22	b	67.5

* R.P. elev. 702.0 through Mar. 26, 1954; then 701.3.

a Meas. from O.C.F.C.D.

b Meas. from R.C.F.C.&W.C.D.

Measts. from S.B.C.F.C.D. except as noted.

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

1954

D-928a-J-23	Mar. 3		54.0
681.3	Sep. 27		59.2
	Dec. 3		50.1
D-929-J-23	Jan. 7		52.8
646.4	Mar. 1		52.2
	Apr. 2		50.8
	May 3		51.9
	June 1		51.3
	Aug. 2		56.6
	Oct. 1		58.6
	Nov. 1		54.8
	Dec. 1		55.4
D-929a-J-23	Mar. 26	a	49.0
652.9	May 3	a	49.5
	Oct. 19	a	64.2
D-934-I-23	Mar. 3		80.8
716.0	Dec. 6		82.2
D-935-I-23	Mar. 9		121.5
785.3	Dec. 4		122.8
D-939b-I-23	Mar. 8		93.0
717.6	Dec. 14		105.1
D-940b-J-23	Jan. 13		72.8
701.3	Feb. 11		72.4
	Mar. 10		72.1
	Apr. 28		72.8
	May 26		72.2
	June 23		72.6
	July 21		73.3
	Aug. 18		73.9
	Sep. 29		74.3
	Oct. 27		74.7
	Nov. 24		74.1
	Dec. 29		73.8

1953

D-969-J-25	Mar. 26	b	28.8
760.9			

a Meas. from O.C.F.C.D.

b Meas. from R.C.F.C.&W.C.D.

c Meas. from W. P. Rowe.

d Meas. from R.W.Co.

Measts. from S.B.C.F.C.D. except as noted.

1954

D-969-J-25	Apr. 5	b	29.2
Cont.	Nov. 23	b	27.2
D-975c-I-25	Jan. 15	c	50.0
817.6	Mar. 12	c	49.0
	May 14	c	49.0
	July 16	c	50.0
	Sep. 17	c	50.0
	Nov. 12	c	50.5
D-975d-I-25	Jan. 15	c	13.4
770.7	Mar. 12	c	12.7
	May 14	c	14.4
	July 16	c	12.7
	Sep. 17	c	15.3
	Nov. 12	c	14.2
D-983c-I-26	Feb. 12	c	58.8
851.0	Mar. 12	c	58.2
	Apr. 16	c	59.1
	May 14	c	57.5
	June 11	c	58.1
	July 16	c	60.2
	Aug. 13	c	58.8
	Sep. 12	c	60.2
	Oct. 15	c	61.2
	Nov. 12	c	59.6
	Dec. 10	c	59.8
D-984-I-26	Mar. 5		103.0
930.9	Dec. 13		102.2
D-985c-I-26	Jan. 15	c	86.8
896.2	Mar. 12	c	90.3
	Apr. 16	c	86.8
	June 11	c	92.2
	Nov. 12	c	91.9
	Dec. 10	c	89.8

1953

D-985d-I-26	Jan. 11	d	8.9
825.8	Feb. 8	d	11.8
	Mar. 6	d	11.4

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	service, :
Date :	Feet :

1953

D-985d-I-26	Apr. 4	a	26.0
Cont.	Dec. 4	a	17.8

1954

Feb. 7	a	13.0
Mar. 13	a	15.7
Apr. 10	a	12.4
Nov. 7	a	20.6
Dec. 12	a	15.5

D-986-I-26	Mar. 12	b	66.5
876.4	May 14	b	66.7
	July 16	b	70.0
	Aug. 13	b	70.5
	Oct. 15	b	71.2
	Nov. 12	b	71.3
	Dec. 10	b	69.5

D-1001i-G-21	Jan. 1	c	262.0
1396.1	Feb. 1	c	242.0
	Mar. 1	c	227.5
	Apr. 1	c	217.0
	May 1	c	213.0
	June 1	c	231.0
	Oct. 1	c	283.0
	Nov. 12	c	280.0
	Dec. 1	c	256.0

D-1002-G-21	Mar. 9		114.6
1269.0	Dec. 17		120.4

D-1002b-G-21	Apr. 9		426.2
1164.3			

D-1005a-H-21	Jan. 4		211.6
906.2	Apr. 5		210.6
	Dec. 11		215.1

D-1012b-G-22	Apr. 13		155.9
1322.0			

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	service, :
Date :	Feet :

1954

D-1029-H-23	Jan. 4		245.2
974.6	Mar. 30		235.9
	Dec. 3		243.4

D-1030-H-23	Jan. 7		184.8
862.6	Feb. 1		184.9
	Mar. 1		185.7
	Apr. 2		188.7
	June 1		184.8
	July 1		185.2
	Aug. 2		187.0
	Sep. 2		192.1
	Nov. 1		186.6
	Dec. 1		186.8

D-1033-H-23	Jan. 7		289.1
1046.8	Feb. 1		288.2
	Mar. 1		288.7
	Apr. 2		288.2
	June 1		290.9
	Oct. 1		301.2
	Nov. 1		290.6
	Dec. 1		290.2

D-1037-G-23	Apr. 19		417.2
1194.6			

D-1044-H-24	Jan. 7		196.7
959.0	May 3		195.8
	June 1		196.2
	July 1		196.8
	Aug. 2		197.9
	Sep. 2		197.2
	Oct. 1		197.3
	Nov. 1		197.5
	Dec. 1		197.8

D-1050-G-24	Feb. 7	d	388.2
1165.8	Mar. 4	d	379.4
	June 1	d	388.0
	Aug. 3		388.0
	Dec. 1	d	381.3

a Meas. from R.W.Co.

b Meas. from W. P. Rowe.

c Meas. from Cucamonga Water Co.

d Meas. from Fontana Union Water Co.

Measts. from S.B.C.F.C.D. except as noted.

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	
Date :	Feet :	

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	
Date :	Feet :	

1954

D-1050a-G-24 1246.5	Feb. 8	447.6
	Mar. 4	447.6
	June 1	443.6
	Sep. 2 a	467.9
	Dec. 2	444.3
D-1052-H-24 1079.8	Feb. 7	299.4
	June 1	295.2
	Aug. 31 a	295.9
	Dec. 2	296.4
D-1053-H-24 1024.9	Feb. 7	245.4
	June 3	245.4
	Aug. 31 a	245.6
	Dec. 2	242.8
D-1054c-H-24 964.4	Mar. 8 a	181.0
	Dec. 13 a	181.7
D-1055-H-24 979.9	Feb. 9	195.1
	Dec. 3	197.0
D-1059-G-24 1210.5	Feb. 7	416.4
	Mar. 4	416.4
	June 1 a	416.4
	Aug. 31	416.4
	Dec. 3	416.9
D-1062-G-25 1248.8	Feb. 7	437.7
	June 1	437.6
	Aug. 31 a	438.8
	Dec. 2 a	439.6
D-1062a-G-25 1236.4	Feb. 7	433.5
	June 1	433.5
	Aug. 31 a	436.5
	Dec. 3 a	436.9
D-1064-H-25 1107.5	Feb. 8	305.9
	June 3	305.9
	Sep. 2	306.4
	Dec. 2	307.1

1954

D-1064a-H-25 1156.9	Feb. 7	352.6
	June 1	353.3
	Aug. 31	365.1
	Dec. 2	354.7
D-1064b-H-25 1142.5	Feb. 7	344.0
	June 1	344.0
	Aug. 31 a	344.0
	Dec. 2	344.9
D-1065-H-25 1050.0	Jan. 7 a	253.3
	Feb. 1 a	252.9
	Mar. 1 a	252.8
	Apr. 2 a	252.7
	May 3 a	254.5
	June 3	253.3
	July 1 a	253.2
	Aug. 2 a	256.4
	Sep. 2 a	254.0
	Oct. 1 a	253.9
	Nov. 1 a	254.1
	Dec. 1 a	254.3
D-1068-H-25 1082.4	Jan. 1 b	257.3
	Feb. 1 b	255.3
	Mar. 1 b	255.1
	Apr. 5 b	255.9
	May 7 b	257.3
	Aug. 1 b	257.2
	Oct. 1 b	258.7
	Nov. 1 b	258.4
	Dec. 1 b	259.0
	D-1072-G-25 1409.9	Jan. 11	310.0
Feb. 5		307.2
Mar. 4		304.4
Apr. 8		302.1
May 6		300.5
June 2		302.3
July 8		298.6
Aug. 5		298.6
Sep. 2		297.5

a Meas. from S.B.C.F.C.D.

b Meas. from Citizens Land and Water Co.

Measts. from Fontana Union Water Co. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1954

D-1072-G-25 Oct. 7 296.8
 Cont. Nov. 4 295.9
 Dec. 2 295.9

D-1072a-G-25 Jan. 11 312.9
 1409.6 Feb. 5 307.4
 Mar. 4 304.8
 Apr. 8 302.5
 May 6 299.7
 June 2 299.7
 July 8 297.9
 Aug. 5 297.9
 Sep. 2 296.7
 Oct. 7 296.0
 Nov. 4 295.6
 Dec. 2 295.6

D-1075-G-25 Feb. 7 331.0
 1180.8 June 1 331.2
 Sep. 1 334.9
 Dec. 2 334.0

D-1075a-G-25 Feb. 9 385.3
 1228.7 June 1 385.6
 Aug. 31 387.9
 Dec. 2 388.6

1953

D-1081-H-26 Aug. 4 a 256.5
 1105.7 Sep. 8 a 256.7
 Sep. 20 a 256.6
 Nov. 14 a 256.9
 Dec. 2 a 257.0

1954

Jan. 7 a 256.6
 Feb. 1 a 257.0
 Mar. 1 a 257.0
 Apr. 2 a 257.1

1954

D-1081-G-26 May 3 a 257.4
 Cont. June 1 a 257.6
 July 1 a 258.3
 Aug. 2 a 260.0
 Sep. 2 a 259.5
 Oct. 1 a 259.7
 Nov. 1 a 259.9
 Dec. 1 a 260.0

D-1084-G-26 Apr. 19 b 321.0
 1353.2

D-1085a-G-26 June 28 c 340.
 1346.6

D-1088-H-26 Jan. 1 d 187.9
 1037.6 Feb. 1 d 186.2
 Mar. 1 d 188.1
 Apr. 5 d 183.9
 July 9 d 190.1
 Aug. 1 d 203.1
 Oct. 1 d 191.7
 Nov. 1 d 205.7
 Dec. 1 d 191.9

D-1090-H-26 Dec. 13 b 126.8
 967.6

D-1091-H-26 Mar. 2 b 28.9
 869.2

D-1092c-H-26 Mar. 2 b 22.3
 870.1 Dec. 3 b 26.5

D-1092d-H-26 Mar. 5 b 163.6
 999.7 Dec. 13 b 157.5

D-1095-G-26 Feb. 1 d 217.9
 1117.2 Mar. 1 d 216.1
 Apr. 5 d 216.1
 July 9 d 238.3

a Meas. from W. P. Rowe.

b Meas. from S.B.C.F.C.D.

c Meas. from Lytle Creek Water and Improvement Co.

d Meas. from Citizens Land and Water Co.

Measts. from Fontana Union Water Co. except as noted.

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	
Date :	Feet :	

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	
Date :	Feet :	

1954

D-1095-G-26	Aug. 1		240.2
Cont.	Oct. 1		239.9
	Nov. 1		243.1
	Dec. 1		218.0

D-1105-F-21	Jan. 6	a	491.5
1684.4	Mar. 31	a	468.4
	Apr. 28	a	462.3
	June 8	a	467.1
	July 21	a	481.9
	Nov. 17	a	501.4
	Dec. 15	a	492.0

D-1105e-F-21	Apr. 16	b	407.5
1635.	Dec. 30	b	395.5

D-1108-F-22	Apr. 13	b	298.0
1696.8	Dec. 30	b	318.0

D-1116-F-22	Dec. 30	b	429.5
1767.5			

D-1161-E-25	Feb. 8		67.4
2244.1	Mar. 4		56.9
	Apr. 8		52.7
	May 4		63.3
	June 2		72.5
	July 8		80.3
	Aug. 4		86.7
	Sep. 2		92.0
	Oct. 6		96.1
	Nov. 3		98.0
	Dec. 2		86.9

D-1162a-E-25	Jan. 11		122.9
2068.9	Feb. 8		119.2
	Mar. 4		87.1
	Apr. 8		72.5
	May 6		76.9

1954

D-1162a-E-25	June 2		83.6
Cont.	July 8		91.9
	Aug. 5		100.0
	Sep. 2		107.9
	Oct. 7		116.4
	Nov. 4		121.7
	Dec. 2		122.7

D-1170b-E-25	Jan. 11		59.2
1852.9	Feb. 8		60.0
	Mar. 4		60.1
	Apr. 8		55.3
	May 6		46.3
	June 3		44.1
	Aug. 5		45.4
	Oct. 7		50.2
	Nov. 4		51.7
	Dec. 2		52.9

1953

D-1177a-F-25	Feb. 16		423.2
1514.2	June 15		430.6
	Sep. 11		434.1
	Dec. 10		428.7

1954

	Feb. 9		428.9
	June 3		433.2
	Sep. 2		433.9
	Dec. 2		433.5

D-1182b-E-26	Jan. 11		339.9
1598.9	Feb. 8		340.0
	Mar. 4		339.8
	Apr. 8		339.6
	May 6		338.7
	June 3		338.4

a Meas. from San Antonio Water Co.

b Meas. from S.B.C.F.C.D.

Measts. from Fontana Union Water Co. except as noted.

Well Number :	and :	R.P. Elev. :	Date :	Dist.R.F. :	to water :	surface, :	Feet :
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Well Number :	and :	R.P. Elev. :	Date :	Dist.R.F. :	to water :	surface, :	Feet :
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1954

1954

D-1182b-E-26	July	8		340.6
Cont.	Aug.	5		340.9
	Sep.	2		342.8
	Oct.	7		345.3
	Nov.	4		347.2
	Dec.	2		348.6

D-1188h-F-26	Jan.	18	a	85.4
1496.4	Feb.	3	a	84.0
	Mar.	12	a	85.6
	Apr.	28	a	80.3
	June	9	a	92.6
	July	21	a	94.6
	Oct.	20	a	92.4
	Dec.	15	a	85.6

D-1182c-E-26	Jan.	11		304.7
1549.8	Feb.	8		297.8
	Mar.	4		302.4
	Apr.	8		299.6
	May	6		296.6
	June	2		298.9
	Dec.	1		315.1

D-1189-F-26	Jan.	4	b	165.
1363.	Feb.	23	b	164.
	Mar.	15	b	163.
	Apr.	5	b	160.6
	May	3	b	157.
	June	28	b	168.

D-1184-E-26	Feb.	2	a	146.0
1879.0	Mar.	16	a	146.0
	Apr.	28	a	144.0
	June	9	a	145.0
	July	21	a	141.0
	Dec.	15	a	148.0

D-1192c-F-26	Feb.		c	208.9
1367.5	Mar.		c	205.3
	Apr.	5	c	202.7
	July		c	281.1
	Aug.		c	221.2
	Oct.		c	265.2
	Nov.		c	259.7
	Dec.		c	238.9

D-1188a-F-26	Feb.	8		214.5
1455.9	Mar.	4		212.7
	Apr.	8		208.7
	July	8		238.8
	Aug.	5		245.7
	Sep.	2		248.0
	Oct.	7		259.6
	Nov.	4		228.4
	Dec.	1		228.4

D-1253-D-24	Feb.	8		14.6
2760.	Mar.	4		14.7
	Apr.	8		14.8
	May	6		15.6
	Dec.	2		17.5

a Meas. from S.B.W.D.

b Meas. from Lytle Creek Water and Improvement Co.

c Meas. from Citizens Land and Water Co.

Measts. from Fontana Union Water Co. except as noted.

Records of Ground Water Levels at Wells
in District "E"

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	
	Date :	Feet

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	
	Date :	Feet

1954		
E-2-E-27 1622.0	Jan. 15	215.1
	Feb. 15	221.6
	Mar. 16	225.3
	Apr. 27	219.9
	June 9	225.5
E-2a-E-27 1531.2	Feb. 15	226.4
	Apr. 27	219.9
	July 21	227.0
	Sep. 8	225.8
	Dec. 15	227.3
E-4a-F-27 1303.4	Jan. 12	233.0
E-5c-F-27 1258.4	Jan. 15	190.1
	Feb. 26	192.5
	Mar. 26	192.2
	Apr. 9	191.8
	May 7	192.7
	July 16	218.3
	Dec. 15	200.7
E-6-F-27 1248.2	Jan. 15	282.0
	Feb. 16	278.0
	Mar. 17	276.0
	Apr. 15	274.0
	May 14	280.0
	Aug. 18	298.0
	Oct. 21	288.0
	Dec. 16	280.0
	E-7-G-27 1160.5	Jan. a	104.5
Feb. a		114.3
Mar. a		114.3
Apr. 5 a		112.1
Dec. a		118.9
E-8a-G-27 1203.5	Feb. 3	178.9
	Mar. 17	178.9

1954			
E-8a-G-27 Cont.	Apr. 28	179.0	
	June 10	179.8	
	Sep. 9	180.3	
	Oct. 21	180.5	
	Dec. 16	179.3	
E-10-E-27 1412.0	Jan. 14	193.6	
	Feb. 15	194.9	
	Mar. 16	195.8	
	Apr. 20	194.5	
	May 12	195.2	
	July 3	198.8	
	Sep. 22	202.0	
	Oct. 20	198.8	
	Dec. 14	198.3	
	E-23-G-27 1069.9	Oct. 21	53.4
	E-29-G-28 1029.7	Jan. 11	+1.3
Feb. 17		+13.9	
Mar. 17		+11.6	
Apr. 15		+16.7	
May 14		+4.4	
Aug. 24		10.5	
Sep. 13		14.4	
Oct. 23	17.1		
Dec. 17	+2.9		
E-34b-F-28 1319.2	Feb. 2	186.7	
	Mar. 12	186.4	
	June 4	177.2	
	Oct. 20	183.2	
E-36-F-28 *	Dec. 14	183.0	
	Feb. 16	119.6	
	Apr. 16	105.0	
	May 21	107.0	
	Sep. 23	119.4	
	Dec. 15	113.6	

* R.P. elev. 1161.8 through Sept. 23, 1954; then 1162.6.

a Meas. from Citizens Land and Water Co.

Measts. from S.B.W.D. except as noted.

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1954

E-37-F-28	Jan. 8	a	86.5
1130.3	Feb. 5	a	80.5
	Mar. 1	a	76.2
	Mar. 19	a	79.1
	Apr. 5	a	74.2
	May 7	a	84.9
	June 4	a	87.5
	July 2	a	92.2
	July 30	a	97.1
	Sep. 3	a	98.9
	Sep. 24	a	99.4
	Oct. 15	a	96.8
	Nov. 5	a	93.1
	Dec. 3	a	87.3

E-42-G-28	Jan. 14		14.2
1059.3	Feb. 16		6.2
	Mar. 18		9.7
	Apr. 15		8.1
	May 14		16.3
	Nov. 30		14.0

E-44-F-28	Feb. 2		120.6
1203.6	Mar. 12		120.9
	Apr. 27		121.0
	June 8		123.3
	July 21		124.0
	Oct. 19		124.9
	Dec. 14		123.2

E-46-G-28	Feb. 3		31.3
1085.5	Mar. 17		31.3
	Apr. 28		30.9
	June 10		32.2
	July 22		34.2
	Dec. 16		33.0

E-49-F-29	Feb. 2		194.3
1269.8	Mar. 12		193.5
	Apr. 27		192.2
	June 8		196.9

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1954

E-49-F-29	Sep. 8		203.2
Cont.	Oct. 19		204.5
	Dec. 14		202.4

E-49d-F-29	Feb. 2		204.2
1282.5	Mar. 12		202.7
	Apr. 27		200.8
	June 8		202.4
	July 14		209.0
	Aug. 16		212.5

E-59a-G-30	Feb. 2		164.4
1266.5	Mar. 12		163.7
	Apr. 27		159.7
	June 8		160.0
	Sep. 7		166.0
	Oct. 19		169.2
	Dec. 13		167.0

E-61d-G-30	Feb. 8	b	185.2
1397.4	Apr. 12	b	180.4
	May 26	b	175.4
	Oct. 29	b	178.7

E-62a-G-30	Feb. 2		296.2
1541.6	Apr. 27		292.7
	Sep. 7		282.3
	Dec. 13		281.1

E-70-G-27	Jan. 29	c	220.0
1134.1	Feb. 27	c	220.0
	Mar. 29	c	219.0
	Apr. 29	c	220.0
	May 29	c	221.0
	June 29	c	222.0
	July 29	c	223.0
	Aug. 27	c	223.0
	Sep. 29	c	225.0
	Oct. 29	c	225.0
	Nov. 29	c	224.0
	Dec. 29	c	224.0

a Meas. from R.W.Co.

b Meas. from S.B.V.W.C.D.

c Meas. from Colton Water Department.

Measts. from S.B.W.D. except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1953

E-74-I-27	Jan. 16	58.2
833.4	Mar. 13	57.9
	Apr. 17	57.8
	May 15	58.0
	June 12	59.8
	Aug. 14	61.5
	Sep. 19	65.1
	Oct. 15	62.3
	Nov. 13	62.2
	Dec. 11	62.2

1954

	Jan. 15	61.7
	Feb. 12	61.8
	Mar. 12	61.2
	Apr. 16	60.5
	May 14	62.0
	June 11	60.9
	July 16	65.5
	Aug. 13	64.5
	Sep. 17	67.8
	Oct. 15	66.8
	Nov. 12	66.9
	Dec. 10	65.7

E-74i-I-27	Nov. 23	a	126.6
963.1			

1953

E-74m-I-27	May 2	b	140.0
988.0	Aug. 1	b	143.3
	Sep. 2	b	149.5
	Oct. 4	b	148.4
	Nov. 2	b	146.3
	Nov. 30	b	146.0

1954

	Jan. 2	b	146.3
	Feb. 1	b	145.3
	Apr. 1	b	143.3
	June 1	b	143.8
	Aug. 3	b	146.1

1954

E-74m-I-27	Sep. 1	b	147.0
Cont.	Sep. 30	b	148.2
	Nov. 2	b	149.2

E-75-H-27	Jan. 15	58.3
921.2	Feb. 12	54.3
	Mar. 12	51.0
	Apr. 16	45.1
	May 14	44.8
	June 11	46.8
	July 16	52.1
	Sep. 12	58.7
	Nov. 12	61.4
	Dec. 10	60.2

1953

E-77i-I-27	Oct. 4	b	105.5
946.2	Nov. 30	b	105.9

1954

	Dec. 2	b	107.7
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E-78-G-27	Jan. 29	c	74.0
1094.5	Feb. 27	c	80.0
	Mar. 29	c	66.0
	Apr. 29	c	75.0
	May 29	c	120.0
	June 29	c	112.0
	July 29	c	120.0
	Aug. 27	c	128.0
	Sep. 29	c	120.0
	Oct. 29	c	119.0
	Nov. 29	c	88.0
	Dec. 29	c	85.0

1953

E-80-H-27	Jan. 16	d	40.4
924.4	Feb. 13	d	36.5
	Mar. 13	d	37.5
	Apr. 17	d	47.3
	May 29	d	54.8
	Aug. 1	d	72.1

a Meas. from R.C.F.C.&W.C.D.

b Meas. from A. A. Webb.

c Meas. from Colton Water Department.

d Meas. from R.W.Co.

Measts. from W. P. Rowe except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1953

E-80-H-27 Aug. 28 a 77.1
 Cont. Sep. 25 a 79.0
 Oct. 30 a 73.1
 Nov. 20 a 70.6
 Dec. 26 a 72.9

1954

Jan. 15 a 73.0
 Feb. 12 a 59.3
 Mar. 12 a 54.3
 Apr. 16 a 43.9
 May 14 a 53.1
 June 18 a 64.4
 July 16 a 68.5
 Aug. 13 a 74.7
 Sep. 17 a 79.9
 Oct. 15 a 77.5
 Nov. 19 a 73.7
 Dec. 17 a 66.1

1953

E-82-I-27 Jan. 10 121.5
 976.4 Feb. 6 117.6
 Mar. 7 118.0
 Mar. 31 119.2
 Apr. 23 119.3
 June 7 122.4
 Aug. 9 150.0
 Sep. 11 153.0
 Oct. 17 157.2
 Nov. 15 134.8
 Dec. 5 133.1

1954

Jan. 2 131.7
 Feb. 8 129.0
 Mar. 7 127.5
 Apr. 3 125.2
 May 1 147.4
 June 4 149.9
 July 4 154.1

1954

E-82-I-27 Aug. 1 161.2
 Cont. Sep. 10 165.0
 Oct. 9 170.3
 Nov. 7 171.0
 Dec. 4 135.8

E-83-I-27 Jan. 2 b 139.1
 983.5 Feb. 1 b 138.0
 Mar. 1 b 135.8
 Apr. 1 b 133.8
 June 1 b 134.9
 Aug. 3 b 140.0
 Sep. 1 b 142.1
 Sep. 30 b 144.0
 Dec. 2 b 143.0

E-85-G-27 Feb. 4 c 37.6
 1054.9 Mar. 17 c 37.5
 Apr. 29 c 37.0
 June 10 c 44.0
 July 22 c 54.0
 Sep. 9 c 55.3
 Oct. 21 c 53.0
 Dec. 16 c 43.2

1953

E-90b-H-27 July 3 a 19.0
 959.6 Aug. 3 a 21.6
 Sep. 4 a 23.7
 Oct. 2 a 27.2
 Nov. 6 a 29.8
 Dec. 4 a 30.2

1954

Feb. 5 a 25.3
 Mar. 5 a 21.2
 Apr. 5 a 16.0
 E-93-G-28 Mar. 16 c +10.4
 1008.7 Apr. 29 c +6.9
 July 23 c 7.3
 Sep. 9 c 9.7
 Oct. 21 c 7.6

a Meas. from R.W.Co.

b Meas. from A. A. Webb.

c Meas. from S.B.W.D.

Measts. from Gage Canal Co. except as noted.

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1954

E-95-H-27	Jan. 5	a	106.8
1014.4	Feb. 8	a	103.5
	Mar. 8	a	102.5
	Apr. 19	a	100.9
	May 27	a	100.7
	July 22	a	101.9
	Oct. 28	a	105.3
	Nov. 30	a	112.4

E-95a-H-27	Jan. 15	b	68.8
969.7	Mar. 12	b	62.5
	May 14	b	59.8
	July 16	b	65.8
	Sep. 17	b	68.8
	Nov. 12	b	70.9

E-97-G-28	Feb. 4	a	36.9
1061.3	Mar. 18	a	37.5
	Apr. 29	a	55.8
	June 10	a	62.5
	July 23	a	66.5
	Oct. 22	a	68.0
	Dec. 17	a	44.5

E-104-H-28	Jan. 2		250.9
1310.5	Mar. 8		240.1
	May 27		245.5
	July 22		267.0
	Oct. 28		260.5

E-106c-H-29	Jan. 2		82.4
1163.9	Feb. 10		78.9
	Apr. 19		75.9
	June 19		81.0
	Aug. 17		86.5
	Sep. 30		88.0
	Oct. 28		86.6
	Dec. 1		84.0

E-106f-H-29	May 26		79.9
1140.9	July 23		107.4

a Meas. from S.B.W.D.

b Meas. from W. P. Rowe.

c Meas. from Gage Canal Co.

Measts. from S.B.V.W.C.D. except as noted.

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1954

E-106f-H-29	Sep. 30		101.1
Cont.	Dec. 2		95.5

E-107b-H-29	Jan. 2		143.3
1206.9	Feb. 8		122.4
	Apr. 19		112.9
	May 27		119.7
	July 22		138.6
	Sep. 30		149.9

E-107d-H-29	Jan. 2		90.4
1217.8	Feb. 8		90.1
	Apr. 19		90.2
	June 26		94.6
	Sep. 28		95.8

E-109-G-29	Jan. 2		82.3
1150.2	Feb. 13		80.5
	Mar. 20		73.8
	Apr. 10		68.1
	May 22		68.4
	June 12	c	71.3
	July 10	c	75.3
	Aug. 14	c	80.3
	Sep. 11	c	82.9
	Oct. 9	c	84.9
	Nov. 13	c	86.2
	Dec. 11	c	85.5

E-111h-H-29	Jan. 2		74.0
1244.9	Mar. 8		73.3
	Apr. 19		74.2
	May 23		73.8

E-113-G-29	Feb. 9		142.7
1293.1	Apr. 17		140.4
	May 26		143.1
	June 19		140.8
	July 20		157.5
	Oct. 27		158.6
	Dec. 2		152.9

Well Number : : Dist.R.P.
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 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1954

1954

E-114-H-29 Feb. 9 177.0
 1322.3 Apr. 17 169.8
 June 19 176.5
 Sep. 23 187.6
 Oct. 27 188.6
 Dec. 2 185.1

E-117-I-30 Jan. 2 94.5
 1438.6 Apr. 19 90.0
 June 26 98.5
 Sep. 28 99.0
 Nov. 30 112.7

E-122-I-30 Jan. 2 94.7
 1513.3 Mar. 8 91.2
 Oct. 25 96.7
 Nov. 30 99.6

E-123c-H-30 Apr. 12 259.0
 1521.0 Aug. 31 287.4
 Nov. 23 279.6

E-124-H-30 Feb. 5 166.7
 1609.5 Apr. 16 154.5

E-127-H-31 Feb. 5 91.0
 1907.0 Mar. 7 89.3
 Apr. 21 91.5
 May 25 88.0
 Oct. 27 84.2
 Nov. 23 94.5

E-127a-H-31 Apr. 21 148.0
 1724.8 July 25 165.5

E-127b-G-31 Feb. 6 213.7
 1763.3 May 25 209.6
 July 25 217.3
 Nov. 23 215.0

E-127d-H-31 Feb. 5 102.5
 1836.2 May 23 81.7
 Aug. 12 74.8
 Dec. 2 79.8

E-128-H-31 Feb. 6 148.6
 1710.5 Apr. 21 128.2
 June 16 125.2
 July 20 124.9
 Dec. 2 133.6

E-131e-H-32 Feb. 5 45.4
 2198.9 Apr. 21 28.0
 May 25 27.9
 July 20 34.0
 Aug. 12 35.9
 Nov. 23 46.9

E-132-I-32 Apr. 8 a 136.6
 2131.8 Nov. 22 a 139.0

E-133-I-31 Apr. 8 a 146.7
 2098.8 Nov. 23 a 166.2

E-136-I-32 Apr. 8 a 141.6
 2292.6 Nov. 23 a 158.2

E-136c-I-32 Apr. 2 a 204.8
 2360.2 Nov. 23 a 221.4

E-136f-I-32 Apr. 2 a 257.8
 2424.7

E-136i-I-32 Apr. 8 a 227.2
 2392.6

E-137-H-32 Apr. 2 a 256.6
 2653.5

E-138f-I-33 Apr. 8 a 401.5
 2623.2 Nov. 23 a 404.2

1949

E-139-H-32 Apr. 6 a 304.6
 2842.1 Oct. 1 a 323.7

a Meas. from L. N. Hicks.

Measts. from S.B.V.W.C.D. except as noted.

Well Number :	Dist. R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist. R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1950	
E-139-H-32	Mar. 29 a 306.0
Cont.	Nov. 3 a 314.4
1951	
	Nov. 6 a 317.9
1952	
	Apr. 5 a 308.4
	Nov. 31 a 314.7
1953	
	Apr. 10 a 309.4
1954	
	Apr. 8 a 309.5
	Nov. 22 a 317.6
E-139a-H-33	Apr. 11 a 288.4
2816.9	Nov. 23 a 295.8
E-140-H-33	Apr. 2 a 65.1
3107.7	
E-140c-H-33	Apr. 2 a 29.7
3338.3	
E-141-I-33	Apr. 2 a 67.4
2814.1	
E-147b-K-21	Mar. 18 2.8
493.8	Oct. 14 4.4
E-149d-K-22	Mar. 23 47.9
570.9	Oct. 18 50.3
E-149i-K-22	Mar. 23 55.6
588.0	Oct. 18 56.1

1954	
E-150-K-22	Mar. 23 96.7
602.7	Oct. 18 119.5
E-150b-K-22	Mar. 23 51.0
567.6	Oct. 18 54.0
E-151-K-22	Mar. 31 b 16.8
526.0	Nov. 16 b 19.3
E-156-K-23	Mar. 23 50.6
640.0	Oct. 18 51.0
E-165d-K-24	Mar. 24 13.2
700.1	Oct. 18 20.0
1953	
E-169c-K-24	June 12 c 44.3
709.1	July 17 c 30.9
	Aug. 14 c 31.2
	Sep. 18 c 33.4
	Oct. 16 c 32.3
	Nov. 20 c 31.0
	Dec. 11 c 29.7
1954	
	Jan. 15 c 29.1
	Feb. 13 c 27.8
	Mar. 5 c 27.2
	Apr. 5 c 26.3
	May 14 c 27.6
	June 11 c 28.9
	July 9 c 30.1
	Sep. 24 c 34.6
	Oct. 15 c 34.4
	Nov. 19 c 31.4
	Dec. 17 c 29.8
E-176-K-24	Mar. 24 50.2
764.2	Oct. 18 53.8

a Meas. from J. N. Hicks.

b Meas. from R.C.F.C.&W.C.D.

c Meas. from R.W.Co.

Measts. from O.C.F.C.D. except as noted.

Well Number : : Dist.R.F.
 and : : to water
 R.P. Elev. : Date : surface,
 Feet

Well Number : : Dist.R.F.
 and : : to water
 R.P. Elev. : Date : surface,
 Feet

1953

E-192-J-26 Jan. 16 a 71.1
 846.3 Feb. 20 a 71.9
 Mar. 13 a 70.2
 Apr. 17 a 70.2
 May 15 a 70.6
 June 12 a 70.7
 Aug. 14 a 75.7
 Sep. 19 a 80.2
 Oct. 15 a 77.2
 Nov. 13 a 74.3
 Dec. 11 a 73.1

1954

Jan. 15 a 71.9
 Mar. 12 a 70.1
 Apr. 16 a 69.3
 May 11 a 70.4
 July 16 a 75.6
 Aug. 13 a 79.2
 Sep. 17 a 79.1
 Oct. 15 a 78.9
 Dec. 10 a 73.9
 E-194-K-26 Nov. 23 b 107.9
 873.0
 E-201d-I-27 Nov. 23 b 89.4
 907.7
 E-225b-J-31 Apr. 7 b 35.4
 1878.3 Nov. 23 b 36.0
 E-229-I-32 Apr. 7 c 89.8
 2287.1 Nov. 23 c 92.9

1953

E-232-J-32 Apr. 13 b 38.5
 2387.1 Oct. 14 b 51.6

1954

Apr. 7 b 33.9
 Nov. 23 b 50.1

1954

E-232e-I-32 Apr. 7 b 258.7
 2483.9
 E-233-J-32 Apr. 7 b 63.0
 2248.5
 E-233f-J-32 Apr. 7 b 63.2
 2299.1
 E-242-K-33 Apr. 7 b 107.0
 2432.7 Nov. 23 b 116.6
 E-249-J-34 Apr. 6 b 123.1
 2942.9
 E-265-L-21 Jan. 16 10.8
 491.8 Feb. 3 10.0
 Mar. 3 10.1
 Apr. 7 10.0
 May 5 10.3
 June 2 10.4
 July 7 10.7
 Aug. 4 10.8
 Sep. 8 11.1
 Oct. 6 11.1
 Nov. 3 11.1
 Dec. 8 10.8
 E-267-L-21 Mar. 17 7.4
 494.0 Oct. 11 8.4
 E-268b-L-21 Jan. 11 16.5
 512.4 Feb. 11 15.5
 Mar. 17 14.8
 Apr. 16 14.5
 May 17 14.5
 June 15 14.5
 July 19 15.1
 Aug. 18 15.6
 Sep. 27 15.2
 Oct. 13 16.0
 Nov. 17 16.0
 Dec. 13 15.7

a Meas. from W. F. Rowe.
 b Meas. from R.C.F.C.&W.C.D.
 c Meas. from J. N. Hicks.
 Measts. from O.C.F.C.D. except as noted.

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	Feet

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	Feet

1954

1954

E-269a-L-22	Mar. 17	a	20.8
527.8	Oct. 13	a	30.7
E-270-L-21	Mar. 23	a	102.9
611.1	Oct. 15	a	104.1
E-272-L-22	Mar. 23	a	24.7
537.5	Oct. 15	a	36.5
E-273a-L-22	Mar. 23	a	143.6
662.2			
E-274c-L-22	Mar. 23	a	73.2
592.2	Oct. 15	a	77.2
E-276-L-22	Jan. 14	b	151.2
677.8	Feb. 15	b	147.0
	Mar. 10	b	146.0
	Apr. 13	b	143.1
	May 11	b	144.3
	June 8	b	145.5
	Aug. 10	b	147.2
	Sep. 15	b	150.2

E-276-L-22	Oct. 12	b	152.0
Cont.	Nov. 16	b	150.8
	Dec. 14	b	145.8
E-277b-M-22	Mar. 17		110.7
969.9	Nov. 15		122.4
E-282c-L-22	Jan. 14	b	97.0
631.5	Feb. 15	b	93.8
	Mar. 13	b	90.0
	July 13	b	100.0
	Nov. 16	b	95.8
	Dec. 14	b	93.0
E-286c-L-23	Mar. 17		53.9
609.9			
E-291-L-23	Mar. 30		131.8
644.8	Nov. 15		136.8
E-298-L-24	Mar. 24	a	27.7
686.1			

a Meas. from O.C.F.C.D.

b Meas. from Corona Foothill Lemon Co.

Measts. from R.C.F.C.&W.C.D. except as noted.

Records of Ground Water Levels at Wells
in San Jacinto Valley

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1954

1954

3S4W36A Mar. 30 134.7
 1495.0
 3S3W6B Mar. 30 195.9
 1650.5 Nov. 15 202.1
 3S3W12A Jan. 6 145.8
 1601.0 Feb. 3 144.0
 Mar. 3 142.7
 Apr. 7 143.1
 May 6 150.5
 July 6 149.1
 Aug. 6 148.2
 Sep. 6 153.1
 Oct. 5 150.2
 Nov. 21 147.4
 3S3W13A Jan. 6 140.6
 1596.4 Feb. 3 138.4
 Mar. 3 136.3
 Apr. 7 136.7
 May 6 145.8
 July 6 154.3
 Aug. 5 154.7
 Oct. 5 144.2
 Nov. 21 141.7
 3S3W15A Apr. 7 113.1
 1550.2
 3S3W18A Mar. 30 88.4
 1555. Nov. 15 92.8
 3S2W8A Nov. 9 a 137.5
 1676.5
 3S2W21A Nov. 9 a 15.6
 1441.7
 3S2W26A Nov. 9 a 44.2
 1460.
 4S3W9A Mar. 30 173.0
 1446.0 Nov. 15 179.6

4S3W19A Apr. 1 84.4
 1477.9 Nov. 15 83.0
 4S3W24C Jan. 6 154.8
 1442.2 Feb. 1 154.1
 Mar. 3 152.7
 Apr. 2 152.2
 May 6 153.8
 June 1 158.9
 July 6 158.2
 Aug. 6 160.0
 Sep. 2 161.8
 Oct. 5 162.6
 Nov. 12 160.6
 Nov. 21 162.3
 4S3W31A Mar. 30 42.5
 1461. Nov. 15 43.5
 4S3W32A Jan. 6 70.6
 1434.8 Feb. 1 70.9
 Mar. 3 70.9
 Mar. 30 70.1
 May 4 70.6
 June 1 71.3
 July 7 71.4
 Aug. 4 71.6
 Aug. 31 71.5
 Oct. 1 71.5
 Nov. 5 71.6

1952

4S2W1A Mar. 28 a 6.1
 1436.7 Apr. 24 a 5.5
 May 15 a 5.6
 June 18 a 6.2
 July 16 a 7.0
 Aug. 13 a 10.1
 Sep. 22 a 9.2
 Nov. 25 a 9.4

1953

Jan. 6 a 9.2
 Feb. 4 a 9.2

a Meas. from D.W.R.

Measts. from R.C.F.C.&W.C.D. except as noted.

Well Number :	Dist.R.P. :		
and :	to water :		
R.P. Elev. :	Date :	Surface, :	Feet :

Well Number :	Dist.R.P. :		
and :	to water :		
R.P. Elev. :	Date :	Surface, :	Feet :

1953

4S2W1A	Mar. 10	a	8.9
Cont.	June 2	a	9.1
	Aug. 5	a	8.0
	Sep. 8	a	8.5
	Dec. 28	a	7.7

1954

	Mar. 5	a	7.3
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4S2W2C	Apr. 1		57.2
1430.7	Nov. 12		60.2
	Nov. 21		55.6

1952

4S2W3A	Mar. 31	a	55.5
1436.4	May 29	a	56.7

1953

	Jan. 6	a	62.0
	Feb. 4	a	60.2
	Mar. 6	a	61.0
	Dec. 28	a	69.6

1954

	Mar. 5	a	70.3
	Nov. 9	a	74.9

4S2W7A	Apr. 2		99.1
1445.3	Nov. 21		96.6

4S2W19A	Jan. 6		22.7
1580.	Feb. 1		22.8
	Mar. 3		17.9
	Apr. 30		22.6
	May 6		24.6
	July 6		23.3
	Sep. 2		23.6
	Nov. 12		23.2

4S1W6A	Nov. 9	a	86.9
1551.			

1952

4S1W15B	Jan. 10	a	51.8
*1505.	Mar. 24	a	44.6
	Apr. 4	a	46.2
	May 1	a	56.6
	June 4	a	78.4
	July 2	a	85.4
	Aug. 5		90.0
	Sep. 4	a	92.5
	Oct. 13	a	96.2
	Nov. 25	a	69.7
	Dec. 17	a	78.6

1953

	Jan. 5	a	54.4
	Feb. 4	a	51.2
	Mar. 3	a	59.4
	Apr. 7	a	75.2
	July 7	a	93.1
	Aug. 5	a	98.5
	Sep. 8	a	98.3
	Oct. 13	a	96.2
	Dec. 17	a	78.6

1954

	Mar. 5	a	70.0
	Apr. 1		67.0
	July 9		105.7
	Aug. 5		108.4
	Sep. 2		110.8
	Oct. 5		110.0
	Nov. 19		94.2

4S1W18A	July 9		10.4
1450.0	Sep. 1		11.0
	Nov. 12		11.2

1952

4S1W23A	Mar. 21	a	85.2
1551.2	Apr. 24	a	91.6
	May 21	a	105.7
	June 26	a	113.5
	July 16	a	109.8

* Correction to all previous bulletins: R.P. elev. should be 1505.

a Meas. from D.W.R.

Measts. from R.C.F.C.&W.C.D. except as noted.

Well Number	Date	Dist.R.P. to water surface, Feet
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Well Number	Date	Dist.R.P. to water surface, Feet
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1952		
4S1W23A	Aug. 20	110.6
Cont.	Nov. 25	98.5

1953		
4S1W33D	Jan. 5	87.6
Cont.	Jan. 30	87.2
	Feb. 26	92.2
	Mar. 17	90.2
	Apr. 21	101.0
	June 2	112.5
	July 7	118.4
	Aug. 5	108.6
	Sep. 8	102.2
	Dec. 28	95.6

1953		
	Jan. 5	90.4
	Jan. 30	88.4
	Mar. 3	95.0
	Apr. 21	107.5
	June 3	116.3
	July 7	122.0
	Aug. 5	118.1
	Sep. 8	119.5

1954		
	Mar. 5	93.2

1954		
	Mar. 5	104.8
	Apr. 1	104.8

4S1W35A	Jan. b	141.
1584.1		

1953		
4S1W25A	Jan. 5	108.0
1566.	Feb. 4	106.5
	Mar. 6	107.0
	Apr. 7	108.6

1952		
4S1E31B	Feb. 7	140.5
1606.9	Feb. 27	140.8
	May 2	135.2
	May 28	135.0
	July 1	136.6

1954		
	Jan. 6	a 129.3
	Feb. 1	a 139.9
	Mar. 3	a 116.5
	Apr. 1	a 119.2

1953		
	Jan. 5	139.5
	Feb. 4	138.6
	Mar. 6	143.0
	June 2	157.0
	Dec. 17	162.9

1952		
4S1W33D	Jan. 30	83.5
1533.5	Apr. 24	91.3
	May 21	99.7
	June 26	106.8
	July 28	109.7
	Aug. 21	112.1
	Sep. 4	115.4
	Nov. 25	96.2

1954		
	Mar. 5	150.8
5S3W2B	Nov. 9	96.2
1494.		
5S3W5A	Nov. 9	a 26.6
1415.0		

a Meas. from R.C.F.C.&W.C.D.

b Meas. from owner.

Measts. from D.W.R. except as noted.

Well Number	and	R.P. Elev.	Date	Dist.R.P.	to water	surface,	Feet
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Well Number	and	R.P. Elev.	Date	Dist.R.P.	to water	surface,	Feet
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1954

5S3W8A	Mar. 31						147.1
1412.4	Nov. 15						154.1
5S3W13A	Apr. 1	a					44.2
1474.2	Nov. 19	a					46.0

1953

5S2W12B	Jan. 27						46.4
1501.1	Oct. 20						47.5
	Dec. 19						41.3

1954

	Apr. 1						44.3
5S2W22C	Nov. 9						60.6
1503.8							

5S2W24C	Nov. 8						57.0
1500.0							

5S2W27E	Jan. 6	a					49.3
1476.9	Feb. 1	a					46.8
	Mar. 3	a					46.8
	Mar. 30	a					46.8
	May 6	a					47.0
	June 1	a					49.2
	July 7	a					48.6
	Oct. 1	a					49.1
	Nov. 5	a					49.1
	Nov. 15	a					48.0

5S2W35C	Nov. 8						83.6
1474.8							

1952

5S1W3C	Jan. 15						92.5
1549.6	Mar. 31						90.5
	May 2						91.2
	May 28						95.2
	July 1						98.7

1953

5S1W3C	Jan. 15						95.7
Cont.	Feb. 4						95.0
	Mar. 6						94.8
	June 2						101.2
	Dec. 29						100.5

1954

	Mar. 5						99.3
5S1W7B	Nov. 8						47.5
1510.7							

5S1W9A	Jan. 6	a					122.6
1542.0	Feb. 1	a					111.1
	Mar. 3	a					115.2
	Mar. 30	a					111.3
	Nov. 17	a					122.4

1952

5S1W10A	Jan. 15						140.6
1583.4	Mar. 28						137.8
	Apr. 24						141.1
	May 29						150.0
	July 2						153.6
	July 28						154.1
	Aug. 21						157.4
	Sep. 22						152.0
	Oct. 15						155.9
	Nov. 24						147.9

1953

	Jan. 15						144.8
	Feb. 4						157.5
	Mar. 17						153.3
	Sep. 8						160.5

1954

	July 8	b					165.0
	Aug. 5	b					166.1

a Meas. from R.C.F.C.&W.C.D.

Measts. from D.W.R. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1954

5S1W10A Sep. 1 a 167.5
 Cont. Oct. 1 a 167.0
 Nov. 8 a 162.6
 Nov. 17 a 161.9

5S1W13B July 8 251.9
 1688.5 Oct. 4 250.2
 Nov. 9 245.4
 Nov. 17 248.0

5S1W14B Mar. 4 a 226.4
 1640.2

5S1W17B Nov. 8 127.5
 1522.

5S1W20A Mar. 30 109.4
 *1529.0

5S1W28A Nov. 8 37.1
 1568.7

1953

5S1W34B Jan. 22 78.0
 1670. Oct. 9 80.3
 Dec. 18 81.6

1954

 Mar. 30 81.5
 July 7 a 82.2
 Aug. 4 a 82.3
 Aug. 31 a 82.5
 Oct. 1 a 82.6
 Nov. 5 a 84.0
 Nov. 17 a 83.1

1952

5S1E5A Jan. 28 80.2
 1663.7 Feb. 27 69.5

1952

5S1E5A Mar. 25 46.6
 Cont. July 1 30.6

1953

 Jan. 5 41.3
 Mar. 6 39.7
 Apr. 7 42.1
 June 2 52.5
 Oct. 13 63.0

1954

 Mar. 4 53.3
 July 9 a 48.1
 Aug. 5 a 48.3
 Sep. 2 a 53.9
 Oct. 4 a 56.7
 Nov. 9 a 59.8
 Nov. 18 a 59.4

1952

5S1E6B Feb. 27 173.1
 1657.1 Mar. 19 170.8
 Apr. 4 167.7
 May 1 174.2
 Oct. 15 185.7

1953

 Feb. 4 163.0
 Mar. 3 170.9
 Apr. 7 172.4
 Oct. 13 194.8

1954

 Mar. 4 176.4

1952

5S1E6C Feb. 7 164.9
 **1640.7 May 2 161.0
 July 1 166.7

* New elevation; R.P. changed.

** Correction to previous bulletins: R.P. elev. should be 1640.7.

a Meas. from R.C.F.C.&W.C.D.

Measts. from D.W.R. except as noted.

Well Number :	Dist. R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist. R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1953

5S1E6C	Jan. 5	179.1
Cont.	Feb. 4	153.5
	Apr. 7	161.2
	June 2	169.5
	Oct. 13	179.7

1952

5S1E10B	May 2	13.7
1810.6	May 27	15.6
	July 1	14.0

1954

Mar. 4	170.2
July 9 a	179.5
Aug. 5 a	180.4
Sep. 2 a	184.0
Oct. 4 a	184.8
Nov. 9 a	180.5
Nov. 19 a	179.1

1953

Jan. 15	16.7
Feb. 4	15.8
Mar. 6	15.2
June 3	19.6

1952

5S1E7A	Feb. 1	245.3
*	Feb. 29	243.6
	Mar. 20	242.6
	May 7	243.5
	July 9	245.6
	July 16	246.7

1954

Mar. 2	25.2
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1953

Jan. 30	240.5
Mar. 4	239.3
Mar. 24	239.8

1952

5S1E14A	Jan. 11	195.9
1890.	Feb. 28	180.0
	May 19	174.8
	July 19	150.4
	Sep. 4	161.3
	Nov. 24	130.0

1954

Mar. 4	249.6
Apr. 1	250.0
Nov. 18 a	259.0

1953

Jan. 14	115.2
Feb. 4	110.5
Mar. 10	110.3
June 3	187.6
July 7	189.0
Aug. 5	186.

1954

Mar. 30 a	160.3
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1952

5S1E9D	Jan. 14 a	74.4
1759.8	Feb. 29 a	74.4

1952

5S1E17A	Jan. 9	283.5
**1762.4	Feb. 28	280.8
	May 2	278.0
	May 27	277.9
	July 1	281.8
	Aug. 6	283.6

1954

Nov. 15 a	72.7
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* R.P. elev. 1725.4 from Feb. 1, 1952, through Mar. 20, 1952; then 1726.3.

** Correction to previous bulletins: R.P. elev. should be 1762.4.

a Meas. from R.C.F.C.&W.C.D.

Measts. from D.M.R. except as noted.

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	
	Date :	Feet

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	
	Date :	Feet

1953		
5S1E17A	Jan. 15	279.3
Cont.	Feb. 5	278.5
	Mar. 6	278.1
	June 3	280.9
	Dec. 8	286.5

1954		
	Mar. 4	284.6
	Sep. 1 a	294.1
	Nov. 9 a	264.7

5S1E18C	Oct. 4 a	245.0
1730.	Nov. 17 a	223.2

1953		
5S1E20A	Feb. 5	322.0
1863.8	Mar. 4	314.4
	Mar. 31	316.0
	June 3	315.
	Aug. -5	314.5

1954		
	Jan. 7	315.4

1952		
5S1E20D	Jan. 12	309.5
1877.9	Feb. 28	307.8
	Mar. 28	306.4
	Apr. 24	305.9
	May 15	305.2
	June 11	310.6
	July 9	315.5

1952		
5S1E20D	July 28	315.9
Cont.	Aug. 21	312.5
	Nov. 25	315.1

1953		
	Feb. 5	310.5
	Mar. 4	309.7
	Mar. 24	309.0
	Apr. 21	309.3

1954		
	Nov. 17 a	320.3

6S3W3A	Jan. 6	82.6
1428.3	Feb. 1	81.2
	Mar. 3	83.3
	Mar. 30	81.4

6S3W4A	Jan. 6 a	64.0
1438.3	Feb. 1 a	63.9
	Mar. 3 a	65.0
	July 7 a	66.9
	Aug. 4 a	65.9
	Aug. 31 a	67.5
	Oct. 1 a	68.3
	Nov. 5 a	65.7

6S3W5A	Nov. 9	52.2
1399.0		

6S2W6B	Mar. 30 a	89.0
1438.5	Nov. 8	101.2

6S1W10A	Nov. 18	90.8
1710.		

a Meas. from R.C.F.C.&W.C.D.
 Measts. from D.W.R. except as noted.

Records of Ground Water Levels at Wells
in Antelope Valley

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	Feet
	Date :	

1954

5N9W6A	Jan. 12	58.6
2847.3	Feb. 9	56.2
	Mar. 9	59.5
	Apr. 6	60.8
	May 4	62.0
	June 15	62.8
	July 20	64.

5N9W20A	Nov. 8	266.1
3166.		

5N10W6A	Jan. 12	117.6
2777.	Feb. 9	117.5
	Mar. 4	121.0
	Apr. 1	122.0
	May 4	126.1
	June 15	128.4
	July 20	130.6
	Aug. 17	131.5
	Sep. 14	131.0
	Oct. 13	130.5
	Nov. 8	127.0
	Dec. 7	122.9

5N10W26A	Nov. 8	55.0
3155.		

5N11W4A	Mar. 26	a 175.9
2695.	Nov. 8	163.8

1953

5N11W9A	Nov. 27	55.6
2858.		

1954

	Nov. 8	54.4
--	--------	------

5N11W10A	Jan. 2	113.1
2836.	Feb. 10	113.2
	Mar. 9	113.3
	Apr. 1	113.5
	May 4	115.9
	June 15	114.4

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	Feet
	Date :	

1954

5N11W10A	July 20	114.2
Cont.	Aug. 19	114.7
	Sep. 14	116.4
	Oct. 13	118.6
	Nov. 8	118.6
	Dec. 7	117.9

5N11W12B	Nov. 8	177.4
2834.		

6N8W18A	Nov. 8	b 165.
2725.		

6N9W29A	Mar. 26	a 45.1
2783.		

6N10W9B	Mar. 26	a 196.5
2576.3		

6N10W9C	Nov. 10	159.2
2598.5		

6N10W27A	Nov. 8	162.5
2677.		

6N11W4A	Mar. 26	a 215.5
2481.	Nov. 16	229.9

6N11W12A	Jan. 2	240.2
2541.	Feb. 10	240.9
	Mar. 4	241.3
	Apr. 1	241.7
	May 6	242.4
	June 15	244.3
	July 20	245.1
	Aug. 17	247.
	Aug. 24	246.6
	Oct. 13	250.6
	Nov. 10	257.0

6N11W12C	Nov. 10	231.3
2552.		

6N11W20A	Nov. 8	264.6
2581.		

a Meas. from D.W.R.

b Meas. by U.S.G.S. from L.A.C.F.C.D.

Measts. from L.A.C.F.C.D. except as noted.

Well Number : : Dist.R.P.
 : : to water
 and : : surface,
 R.P. Elev. : Date : Feet

Well Number : : Dist.R.P.
 : : to water
 and : : surface,
 R.P. Elev. : Date : Feet

1954

1953

6N12W24A Jan. 13 279.0
 2587. Feb. 9 273.5
 Mar. 9 276.3
 May 4 282.5
 July 20 298.0
 Aug. 17 289.5

6N13W12A Nov. 10 262.7
 2607.5

7N10W21A Mar. 26 a 195.2
 2465.3 Nov. 9 211.6

7N10W31A Jan. 10 256.8
 2506.

7N11W24A Jan. 12 186.0
 2433. Feb. 8 182.5
 Mar. 9 183.3
 Apr. 6 188.5

7N11W28D Mar. 27 a 190.3
 2440.8

7N12W4B Jan. 13 16.7
 2312.8 Feb. 9 17.2
 Mar. 4 16.7
 Apr. 6 16.5
 May 4 16.7
 June 15 17.0

7N12W15C Jan. 13 82.0
 2348.5 Feb. 9 79.2
 Mar. 9 79.5
 Apr. 6 79.5
 May 4 93.9
 June 15 98.4
 July 20 103.1
 Aug. 17 103.1
 Sep. 14 101.4
 Oct. 13 98.5
 Nov. 9 92.5
 Dec. 7 86.2

7N12W15D Dec. 16 88.0
 2355.5

1954

7N13W11A Nov. 15 4.5
 2354.

7N13W11B Mar. 26 a 6.2
 2356.

7N13W17A Mar. 26 a 148.1
 2421.7 Nov. 15 156.5

7N13W21C Nov. 15 140.6
 2373.

7N13W27A Nov. 15 213.3
 2421.

7N14W10A Nov. 15 229.3
 2558.

8N9W4I Mar. 25 a 19.0
 2294. Nov. 10 a 19.6

8N10W2A Mar. 25 a 31.4
 2310. Nov. 10 a 34.9

8N10W19A Nov. 10 a 91.8
 2342.5

8N11W22A Oct. 18 a 105.8
 2318. Nov. 11 a 105.1

8N12W4B Mar. 24 a 23.4
 2307.7 Oct. 9 b 35.0
 Nov. 10 a 33.9

8N12W20A Mar. 24 a 31.4
 2319. Nov. 10 a 46.2

a Meas. from D.W.R.

b Meas. from U.S.G.S.

Measts. from L.A.C.F.C.D. except as noted.

Well Number	Date	Dist.R.P. to water surface, Feet
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Well Number	Date	Dist.R.P. to water surface, Feet
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1954		
8N12W22B	Mar. 24	13.3
2302.	Oct. 19	26.7
	Nov. 10	25.5
8N12W22C	Mar. 24	16.6
2301.		
8N12W24A	Mar. 24	22.0
2310.		
8N12W30B	Mar. 24	30.6
2324.	Nov. 12	39.9
8N13W7A	Mar. 24	179.0
2442.	Nov. 11	198.9
8N14W14A	Mar. 25	182.9
*2495.5	Nov. 11	196.6

1954		
8N15W36A	Mar. 25	81.9
2786.5	Nov. 12	81.5
8N16W5A	Mar. 25	203.1
2901.	Nov. 12	205.2
8N16W18A	Mar. 24	b 111.1
2995.	Nov. 12	b 118.4
9N13W20A	Nov. 10	112.
2430.		
9N13W35A	Mar. 24	104.1
2378.1	Nov. 10	129.1
9N14W24B	Mar. 24	150.6
2490.		

* Correction to previous bulletins: R. P. elev. 2495. through Dec. 8, 1947; then 2495.5.

a Meas. from U.S.G.S.

b Meas. from L.A.C.F.C.D.

Measts. from D.W.R. except as noted.

CHAPTER IV. PRECIPITATION RECORDS

Monthly records of precipitation for ten United States Weather Bureau stations and annual records for approximately 260 other stations in the area are presented herewith.

MONTHLY PRECIPITATION RECORDS
AT SELECTED STATIONS IN SOUTHERN CALIFORNIA
PUBLISHED BY U. S. WEATHER BUREAU

Precipitation in Inches

Season and Month	<u>413</u> <u>Long Beach</u>	<u>2754F</u> <u>Los Angeles</u>	<u>3290</u> <u>Claremont</u>	<u>4142A</u> <u>Sierra Madre</u>	<u>4832A</u> <u>San Fernando</u>
<u>1953-54</u>					
July	0.02	0.00	T	0.00	0.00
Aug.	T	0.00	T	0.00	0.00
Sep.	T	T	0.00	0.00	0.00
Oct.	0.00	T	0.08	0.56	T
Nov.	1.33	1.11	1.01	1.40	0.81
Dec.	0.02	0.08	0.44	0.50	0.18
Jan.	5.43	4.60	8.41	8.05	5.14
Feb.	3.21	2.98	2.96	3.42	3.28
Mar.	3.15	2.99	4.23	4.91	3.16
Apr.	0.15	0.13	0.22	0.40	0.22
May	T	0.02	T	0.14	T
June	<u>0.05</u>	<u>0.08</u>	<u>0.06</u>	<u>0.33</u>	<u>0.03</u>
TOTALS	<u>13.36</u>	<u>11.99</u>	<u>17.41</u>	<u>19.71</u>	<u>12.82</u>

	<u>14552</u> <u>Santa Ana</u>	<u>15933</u> <u>Corona</u>	<u>17004</u> <u>Riverside</u>	<u>17417</u> <u>Beaumont</u>	<u>18826</u> <u>San Bernar-</u> <u>dino (near)</u>
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<u>1953-54</u>					
July	0.00	0.03	0.00	0.02	0.00
Aug.	0.00	0.00	0.07	0.00	0.02
Sep.	0.00	0.00	0.00	0.00	0.00
Oct.	0.00	T	T	0.03	0.07
Nov.	1.01	0.86	0.96	1.02	0.94
Dec.	0.13	0.12	0.39	0.53	0.11
Jan.	4.35	5.22	3.75	6.67	7.03
Feb.	2.72	2.27	1.80	2.93	2.62
Mar.	2.98	3.14	2.59	6.20	5.10
Apr.	T	0.07	0.05	0.26	0.02
May	0.00	T	0.00	0.09	0.00
June	<u>0.02</u>	<u>0.00</u>	<u>0.00</u>	<u>T</u>	<u>0.00</u>
TOTALS	<u>11.21</u>	<u>11.71</u>	<u>9.61</u>	<u>17.75</u>	<u>15.91</u>

T - Less than 0.01 inch.

PRECIPITATION RECORDS FOR SEASON 1953-54
(Season -- July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in Inches</u>	<u>Source of Information</u>
185	O-6	125	8.94	L.A.C.F.C.D.
210	N-7	300	10.80	L.A.C.F.C.D.
327	P-9	10	11.91	U.S.W.B. (San Pedro)
341	N-9	40	12.63	L.A.C.F.C.D.
401	N-10	40	11.33	L.A.C.F.C.D.
403	O-10	30	12.60*	L.A.C.F.C.D.
403B	O-10	30	12.05	L.A.C.F.C.D.
413	O-10	40	13.36	U.S.W.B. (Long Beach)
452	N-11	15	12.67	L.A.C.F.C.D.
453	O-11	15	10.89	L.A.C.F.C.D.
485	O-12	25	10.04	O.C.F.C.D.
587	P-14	15	10.37	O.C.F.C.D.
596	O-14	25	10.34	O.C.F.C.D.
715	M-7	50	10.34	L.A.C.F.C.D.
864	M-10	195	10.17	L.A.C.F.C.D.
985	M-12	45	12.20*	L.A.C.F.C.D.
1014	M-12	50	11.98	L.A.C.F.C.D.
1030	L-13	85	13.51	L.A.C.F.C.D.
1081	L-14	90	13.09	L.A.C.F.C.D.
1099	N-14	60	9.45	O.C.F.C.D.
1137	M-15	105	10.95	O.C.F.C.D.
1187	M-16	155	13.32	O.C.F.C.D.
1199	N-16	140	12.28	O.C.F.C.D.
1241	I-5	10	13.09	L.A.C.F.C.D.
1288	K-6	135	11.75	L.A.C.F.C.D.
1343	J-7	120	12.04	L.A.C.F.C.D.
1444	J-9	120	12.49*	L.A.C.F.C.D.
1475	K-10	110	11.61*	L.A.C.F.C.D.
1482	J-10	165	13.07	L.A.C.F.C.D.
1502	J-10	145	12.25	L.A.C.F.C.D.
1546	K-11	105	12.88	L.A.C.F.C.D.
1552	J-11	140	12.26	L.A.C.F.C.D.
1565	K-12	120	12.25	L.A.C.F.C.D.
1604	J-12	140	13.37	L.A.C.F.C.D.
1661	J-13	365	12.95	L.A.C.F.C.D.
1700	I-14	860	16.94*	L.A.C.F.C.D.
1706	K-14	250	13.94	L.A.C.F.C.D.
1750	I-15	465	13.79	L.A.C.F.C.D.
1757	K-15	285	12.91	O.C.F.C.D.
1774	J-15	635	15.10	L.A.C.F.C.D.

* Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1953-54
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in Inches</u>	<u>Source of Information</u>
1786	K-16	475	15.07	O.C.F.C.D.
1853	J-17	710	17.49	L.A.C.F.C.D.
1862	J-17	765	16.25	L.A.C.F.C.D.
1901	I-18	975	16.82	O.C.F.C.D.
1906	K-18	850	16.11	O.C.F.C.D.
1933	J-19	1150	16.66	O.C.F.C.D.
2401	G-3	745	21.36	L.A.C.F.C.D.
2445	H-3	95	12.90*	L.A.C.F.C.D.
2508A	I-5	88	13.99	U.S.W.B. (Santa Monica)
2511	G-5	1025	18.66*	L.A.C.F.C.D.
2544	H-5	340	16.66	L.A.C.F.C.D.
2551	G-6	540	17.74	L.A.C.F.C.D.
2555	H-5	230	15.55	L.A.C.F.C.D.
2592	H-6	255	16.01	L.A.C.F.C.D.
2607	I-7	65	12.27	L.A.C.F.C.D.
2643	H-7	175	13.53	L.A.C.F.C.D.
2686	H-8	200	13.11	L.A.C.F.C.D.
2754	H-9	285	12.88	L.A.C.F.C.D.
2754F	H-9	312	11.99	U.S.W.B.
2755	H-9	260	12.16	L.A.C.F.C.D.
2870	G-12	485	15.45	L.A.C.F.C.D.
2875	H-12	375	13.76*	L.A.C.F.C.D.
2915	H-12	320	14.46*	L.A.C.F.C.D.
2962	G-13	285	13.97	L.A.C.F.C.D.
3009	I-14	600	17.43*	L.A.C.F.C.D.
3053	H-15	360	15.80	L.A.C.F.C.D.
3094	H-16	470	14.72	L.A.C.F.C.D.
3121	G-16	575	15.47	L.A.C.F.C.D.
3149A	I-17	530	15.55	L.A.C.F.C.D.
3155	H-17	770	15.70	L.A.C.F.C.D.
3160	G-17	805	16.98	L.A.C.F.C.D.
3190	G-18	1030	16.42	L.A.C.F.C.D.
3223	H-18	840	16.80	U.S.W.B. (Pomona)
3244	H-19	860	15.75	L.A.C.F.C.D.
3256	I-19	780	14.73	L.A.C.F.C.D.
3280	G-19	1165	17.94	L.A.C.F.C.D.
3290	G-20	1195	17.41	U.S.W.B. (Claremont)
3602	E-3	875	11.95*	L.A.C.F.C.D.

* Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1953-54
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in Inches</u>	<u>Source of Information</u>
3706	F-5	1400	17.09*	L.A.C.F.C.D.
3742	E-5	695	12.35	L.A.D.W.&P.
3749	G-5	725	18.69	L.A.C.F.C.D.
3786	F-6	1175	15.51*	L.A.C.F.C.D.
3810	E-7	730	9.38	L.A.C.F.C.D.
3834	F-7	595	13.14	L.A.C.F.C.D.
3868	F-8	750	13.80	L.A.C.F.C.D.
3891	E-8	620	12.47*	L.A.C.F.C.D.
3894	F-8	470	14.38	L.A.C.F.C.D.
3897	F-8	1025	13.55	L.A.C.F.C.D.
3906	F-8	1400	14.03	L.A.C.F.C.D.
3907	F-8	1400	13.82	L.A.C.F.C.D.
3917	G-9	750	14.03	L.A.C.F.C.D.
3921A	E-9	1300	14.60	L.A.C.F.C.D.
3934	F-9	530	14.17	L.A.C.F.C.D.
3939	G-9	455	13.13	L.A.C.F.C.D.
3943	E-9	620	14.08	L.A.C.F.C.D.
4001	E-10	1335	17.60	L.A.C.F.C.D.
4010	E-10	1155	16.85	L.A.C.F.C.D.
4023	E-11	1040	15.77	L.A.C.F.C.D.
4028	G-11	620	13.88*	L.A.C.F.C.D.
4048	G-11	690	14.90	L.A.C.F.C.D.
4061	E-11	1125	16.66	L.A.C.F.C.D.
4073	F-12	985	15.89	L.A.C.F.C.D.
4076	F-12	750	16.34*	L.A.C.F.C.D.
4087	F-12	670	15.93	L.A.C.F.C.D.
4092	E-12	1055	14.47*	L.A.C.F.C.D.
4099	G-12	490	14.96*	L.A.C.F.C.D.
4110	E-12	2515	21.75	L.A.C.F.C.D.
4135	F-13	630	17.03*	L.A.C.F.C.D.
4142A	E-13	1120	19.71	L.A.C.F.C.D.
4152	E-13	1100	19.62	L.A.C.F.C.D.
4153	E-13	985	19.38	L.A.C.F.C.D.
4154	F-13	660	17.33*	L.A.C.F.C.D.
4163	F-13	700	17.40	L.A.C.F.C.D.
4164	F-13	610	17.34	L.A.C.F.C.D.
4171A	E-14	1400	20.54	L.A.C.F.C.D.
4195	F-14	600	17.03*	L.A.C.F.C.D.
4212	E-14	1375	19.75	L.A.C.F.C.D.
4230	E-15	2725	26.80	L.A.C.F.C.D.

* Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1953-54
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in Inches</u>	<u>Source of Information</u>
4231	E-15	2300	21.63	L.A.C.F.C.D.
4285	F-16	675	17.66*	L.A.C.F.C.D.
4293	E-16	800	20.75	L.A.C.F.C.D.
4294	F-16	750	19.67	U.S.W.B. (San Gabriel Power House)
4296	F-16	600	17.32	L.A.C.F.C.D.
4296A	F-16	605	17.67	U.S.W.B. (Azusa)
4306	F-16	615	18.01	L.A.C.F.C.D.
4309	G-16	545	15.39	L.A.C.F.C.D.
4331	E-16	1210	22.62	L.A.C.F.C.D.
4336	F-17	785	19.69	L.A.C.F.C.D.
4346	F-17	820	19.46	L.A.C.F.C.D.
4354	F-17	1200	21.18	L.A.C.F.C.D.
4383	E-18	1575	23.39	L.A.C.F.C.D.
4386	F-17	965	17.88*	L.A.C.F.C.D.
4399	G-18	960	17.50	L.A.C.F.C.D.
4407A	G-18	1080	17.95	L.A.C.F.C.D.
4407	F-18	1110	18.40	L.A.C.F.C.D.
4424	F-18	1350	21.31	L.A.C.F.C.D.
4433	E-18	1500	22.15	L.A.C.F.C.D.
4444	F-19	1680	20.05	L.A.C.F.C.D.
4457	F-19	1255	18.63*	L.A.C.F.C.D.
4487	F-19	1405	18.31	L.A.C.F.C.D.
4517	G-20	1525	19.04	L.A.C.F.C.D.
4522	E-20	2500	25.81	U.S.W.B. (Mouth of San Antonio Canyon)
4566	F-21	1605	18.93	Liberty Groves Operating Corporation
4687	D-2	900	13.25	L.A.C.F.C.D.
4694	C-2	965	14.35	L.A.C.F.C.D.
4747	D-4	800	12.46	L.A.C.F.C.D.
4811	C-5	1150	14.02	L.A.C.F.C.D.
4832	C-5	950	12.82	L.A.C.F.C.D.
4837	D-5	815	11.70*	L.A.C.F.C.D.
4864	C-6	945	11.63	L.A.C.F.C.D.
4894	C-6	955	12.50*	L.A.C.F.C.D.
4946	D-7	1000	11.12	L.A.C.F.C.D.
5076	D-10	2325	23.19	L.A.C.F.C.D.
5109	E-10	1280	17.92	L.A.C.F.C.D.
5115	D-11	1820	20.52	L.A.C.F.C.D.
5127	D-11	1220	18.17	U.S.W.B. (Arroyo Seco)
5139	E-11	1180	17.82	L.A.C.F.C.D.
5144	C-11	2980	23.27	L.A.C.F.C.D.
5204	C-12	4230	33.87	U.S.W.B. (Opid's Camp)
5247	D-13	5675	29.96	L.A.C.F.C.D.

* Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1953-54

(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in Inches</u>	<u>Source of Information</u>
5267	D-13	3375	34.55*	L.A.C.F.C.D.
5269	D-13	2600	32.20*	L.A.C.F.C.D.
5446	D-17	1500	26.79*	L.A.C.F.C.D.
5549	D-19	2700	24.99	L.A.C.F.C.D.
5646	D-21	4320	30.93	U.S.W.B. (Camp Baldy)
5861	A-4	1245	14.55	L.A.C.F.C.D.
5908	B-5	1225	15.03	L.A.C.F.C.D.
5922	A-5	1480	15.45*	L.A.C.F.C.D.
5928	B-5	1250	14.49	L.A.C.F.C.D.
5988	B-6	1455	14.52	L.A.C.F.C.D.
5999	B-6	1425	14.78*	L.A.C.F.C.D.
6005	B-7	1600	15.87	L.A.C.F.C.D.
6289A	B-12	3625	22.78	L.A.C.F.C.D.
6355	A-13	4300	14.50	U.S.W.B. (Alder Creek)
6558A	B-17	5735	30.51	L.A.C.F.C.D.
6569	B-17	4650	27.05	L.A.C.F.C.D.
6702	A-20	6860	22.44	L.A.C.F.C.D.
6711	A-20	7500	16.65	L.A.C.F.C.D.
7017	A-3	1095	11.61	L.A.C.F.C.D.
13193	Q-14	35	10.21	O.C.F.C.D.
13301	Q-16	35	8.87	O.C.F.C.D.
13309	R-16	10	8.44	U.S.W.B. (Newport Beach)
13363	Q-17	65	8.59	O.C.F.C.D.
13402	Q-18	100	9.28	O.C.F.C.D.
13406	R-18	300	14.82	O.C.F.C.D.
13432	Q-19	190	11.37	O.C.F.C.D.
13480	P-19	445	12.66	O.C.F.C.D.
13484	Q-19	350	10.52	O.C.F.C.D.
13499	R-20	375	13.63	O.C.F.C.D.
13633	Q-22	1100	17.44	O.C.F.C.D.
13864	Q-27	1270	10.38	U.S.W.B. (Elsinore)
13902	Q-28	1390	8.79	Temescal Water Co.
14451	N-15	100	11.10	O.C.F.C.D.
14535	O-17	120	11.23	O.C.F.C.D.
14549	P-17	55	9.86	O.C.F.C.D.
14552	O-17	205	11.21	U.S.W.B. (Santa Ana)
14586	O-17	120	11.15	O.C.F.C.D.
14617	P-18	120	10.44	U.S.W.B. (Tustin, near)
14649	P-19	245	11.03	O.C.F.C.D.
14673	O-19	1000	16.56	O.C.F.C.D.
14765	O-21	1500	20.79	O.C.F.C.D.
14835	O-22	2000	28.10	O.C.F.C.D.
14902	N-24	1100	14.79	Temescal Water Co.
15420	N-34	1550	10.84	U.S.W.B. (San Jacinto)
15602	L-16	195	14.17	O.C.F.C.D.
15614	L-16	195	11.70	O.C.F.C.D.

* Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1953-54
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in Inches</u>	<u>Source of Information</u>
15623	L-16	225	13.64	O.C.F.C.D.
15678	M-17	295	11.58	O.C.F.C.D.
15679	N-17	285	23.91	O.C.F.C.D.
15681	L-18	385	13.58	U.S.W.B. (Yorba Linda)
15860	L-21	480	13.55	O.C.F.C.D.
15903	L-22	840	14.68	Corona Foothill Lemon Co.
15925	M-22	1055	15.54	Corona Foothill Lemon Co.
15926	M-22	1250	18.46	Corona Foothill Lemon Co.
15932	L-22	700	12.85	Temescal Water Co.
15955	M-23	1050	12.94	American Fruit Growers Assn.
16710	I-20	670	14.94	Southern Calif. Edison Co., Ltd.
16801	J-22	655	11.94	John Imbach
16845	K-22	660	9.21	Capt. C. Gully
17062	J-27	1040	11.07	Univ. of Calif., Agricultural Experiment Station
17342	J-32	2220	14.02	Moreno Mutual Water Co.
17417	K-34	2580	17.75	U.S.W.B. (Beaumont)
17421	J-34	3045	20.93	U.S.W.B. (Beaumont, near)
17608	I-20	710	15.94	American Beet Sugar Co.
17613	H-20	985	15.26	West Ontario Citrus Assn.
17630	G-20	1230	19.53	Mr. Jordan
17653	H-21	1010	16.48	Southern Pacific Co.
17674	H-21	930	14.69	Braundale Acres
17703	H-22	975	14.01	Guasti Wine Co.
17860	G-25	1270	16.99	Fontana Farms Co.
17973	H-27	975	9.67	Southern Pacific Co.
17973A	H-27	980	11.53	Colton Police Dept.
17984	H-27	950	13.65	Southern Calif. Edison Co., Ltd.
18114	H-30	1360	12.64	U.S.W.B. (Redlands)
18125	H-30	1470	11.99	D.S.C. Anderson
18163	H-31	1645	14.24	Crafton Orange Growers Assn.
18256	I-33	2650	15.69	R. H. Arnett
18260	G-32	2965	20.61	U.S.W.B. (Mill Creek No. 2)
18351	G-34	5100	30.37	Southern Calif. Edison Co., Ltd.
18529A	G-22	1215	16.24	Garrett & Co., Inc.
18586	F-23	1425	17.47	W. F. Barnes
18679	G-25	1320	17.38	U.S.W.B. (Fontana)
18704	F-26	1590	33.04	Southern Calif. Edison Co., Ltd.
18782	E-27	1415	19.77	San Bernardino Water Dept.
18809A	G-28	1030	13.41	San Bernardino Water Dept.
18826	F-28	1170	15.91	U.S.W.B. (San Bernardino, near)

PRECIPITATION RECORDS FOR SEASON 1953-54
 (Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in Inches</u>	<u>Source of Information</u>
18928	G-30	1365	15.10	Gold Buckle Assn.
18937	G-30	1515	17.74	East Highlands Orange Co.
18999	G-31	2060	17.70	Southern Calif. Edison Co., Ltd.
19045	F-32	2765	26.53	U.S.W.B. (Santa Ana River)
19416	D-24	2720	35.71	U.S.W.B. (Lytle Creek Ranger Station)
19449	E-25	2260	33.04	Fontana Union Water Co.
19459	E-25	2250	31.44	U.S.W.B. (Lytle Creek)
19569	E-27	1900	26.43	San Bernardino Water Dept.
19656	D-28	5700	39.49	U.S.W.B. (Squirrel Inn)
19723	C-30	6250	44.34	Lake Arrowhead Co.
19915	D-34	6800	39.44	U.S.W.B. (Bear Valley Reservoir Dam)

LEGEND

- WELLS AT WHICH WATER LEVEL FLUCTUATIONS ARE SHOWN
- WATER POLLUTION CONTROL REGION BOUNDARY
- 8-8-8-7 GROUND WATER BASIN
- - - GROUND WATER SUB-BASIN BOUNDARY
- 4 WATER POLLUTION CONTROL REGION NUMBER
- 4-1 GROUND WATER BASIN NUMBER
- 4-101 GROUND WATER SUB-BASIN NUMBER
- - - COUNTY BOUNDARY
- 66 U S HIGHWAY

LOS ANGELES REGION NO. 4, GROUND WATER BASINS

- | | |
|------------------------------|---|
| 4-1 Upper Ojai Valley | 4-11 Coastal Plain, Los Angeles County |
| 4-2 Ojai Valley | 4-11.02 West Coast Basin |
| 4-3 Ventura River Valley | 4-11.03 Central Coastal Plain Pressure Area |
| 4-4 Santa Clara River Valley | 4-11.05 Montebello Forebay Area |
| 4-4.01 Oxnard River Valley | 4-12 San Fernando Valley |
| 4-4.02 Oxnard Plain Basin | 4-12.01 San Fernando Basin |
| 4-4.02 Oxnard Forebay Basin | 4-13 San Gabriel Valley |
| 4-5 Acton Valley | 4-13.01 Main San Gabriel Basin |
| 4-6 Pleasant Valley | 4-13.03 Pasadena Sub-area |
| 4-7 Arroyo Santa Rosa Valley | 4-13.04 Santa Anita Sub-area |
| 4-8 Las Posas Valley | 4-14 Upper Santa Ana Valley, Los Angeles County |
| 4-9 Simi Valley | |
| 4-10 Conejo Valley | |

LAHONIAN REGION NO. 6, GROUND WATER BASINS

- 6-44 Antelope Valley

SANTA ANA REGION NO. 8, GROUND WATER BASINS

- | | |
|---|------------------------|
| 8-1 Coastal Plain, Orange County | 8-3 Cajalco Valley |
| 8-1.01 East Coastal Plain Pressure Area | 8-4 Elsinore Basin |
| 8-1.02 Santa Ana Forebay Area | 8-5 San Jacinto Basin |
| 8-2 Upper Santa Ana Valley | 8-6 Hemet Lake Valley |
| 8-2.01 Chino Basin | 8-7 Big Meadows Valley |
| 8-2.02 Bunker Hill Basin | 8-8 Seven Oaks Valley |
| | 8-9 Bear Valley |

SAN DIEGO REGION NO. 9, GROUND WATER BASINS

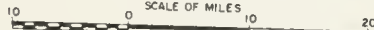
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|----------------------------|-----------------------------|
| 9-1 San Juan Valley | 9-11 Santa Maria Valley |
| 9-2 San Mateo Valley | 9-12 San Dieguito Valley |
| 9-3 San Onofre Valley | 9-13 Poway Valley |
| 9-4 Santa Margarita Valley | 9-14 Mission Valley |
| 9-5 Temecula Valley | 9-15 San Diego River Valley |
| 9-6 Coachella Valley | 9-16 El Cajon Valley |
| 9-7 San Luis Rey Valley | 9-17 Sweetwater Valley |
| 9-8 Warner Valley | 9-18 Otay Valley |
| 9-9 Escondido Valley | 9-19 Tia Juana Basin |
| 9-10 San Pasqual Valley | 9-20 Jamul Valley |

STATE OF CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF WATER RESOURCES
 SOUTHERN CALIFORNIA AREA INVESTIGATION

LOCATION OF WELLS AT WHICH WATER LEVEL FLUCTUATIONS ARE SHOWN

1954

SCALE OF MILES





LEGEND

- WELLS AT WHICH WATER LEVEL FLUCTUATIONS ARE SHOWN
- WATER POLLUTION CONTROL REGION BOUNDARY
- ⬡ GROUND WATER BASIN
- - - GROUND WATER SUB-BASIN BOUNDARY
- 4 WATER POLLUTION CONTROL REGION NUMBER
- 4-1 GROUND WATER BASIN NUMBER
- 4-101 GROUND WATER SUB-BASIN NUMBER
- - - COUNTY BOUNDARY
- 84 U S HIGHWAY

LOS ANGELES REGION No. 4, GROUND WATER BASINS

- | | |
|------------------------------|---|
| 4-1 Upper Ojai Valley | 4-11 Coastal Pismo, Los Angeles County |
| 4-2 Ojai Valley | 4-1102 West Coast Basin |
| 4-3 Ventura River Valley | 4-1103 Central Coastal Plain |
| 4-4 Santa Clara River Valley | Pressure Area |
| 4-4-01 Oxnard Pismo Basin | 4-1105 Montezuma Forebay Area |
| 4-4-02 Oxnard Forebay Basin | 4-12 San Fernando Valley |
| 4-5 Arroyo Valley | 4-201 San Fernando Basin |
| 4-6 Pecos Valley | 4-13 San Gabriel Valley |
| 4-7 Arroyo Santa Rosa Valley | 4-13-01 Main San Gabriel Basin |
| 4-8 Wasco Valley | 4-13-02 Inauma Sub-area |
| 4-9 Simi Valley | 4-13-03 Santa Anita sub-area |
| 4-10 Conejo Valley | 4-14 Upper Santa Ana Valley, Los Angeles County |

LANUHAN REGION No. 6, GROUND WATER BASINS

- 6-44 Antelope Valley

SANTA ANA REGION No. 8, GROUND WATER BASINS

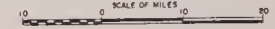
- | | |
|----------------------------------|------------------------|
| 8-1 Coastal Plain, Orange County | 8-3 Calaveras Valley |
| 8-1-01 East Coastal Plain | 8-4 Eslermore Basin |
| Pressure Area | 8-5 San Jacinto Basin |
| 8-1-02 Santa Ana Forebay Area | 8-6 Hemet Lake Valley |
| 8-2 Upper Santa Ana Valley | 8-7 Big Meadows Valley |
| 8-2-01 Chino Basin | 8-b Seven Oaks Valley |
| 8-2-02 Bunker Hill Basin | 8-9 Bear Valley |

SAN DIEGO REGION No. 9, GROUND WATER BASINS

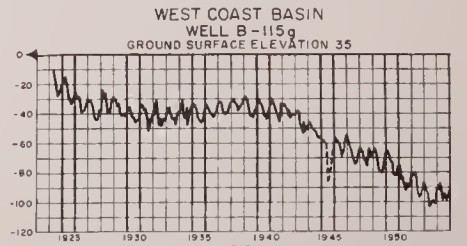
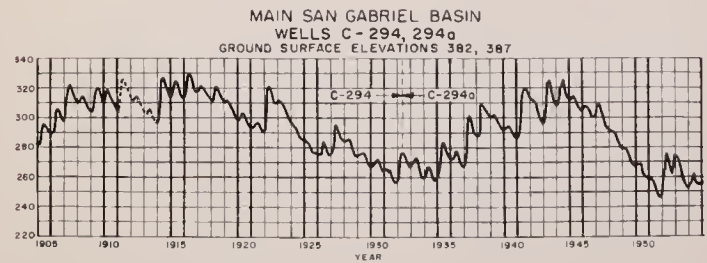
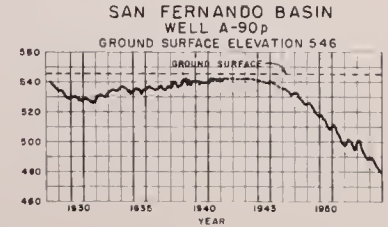
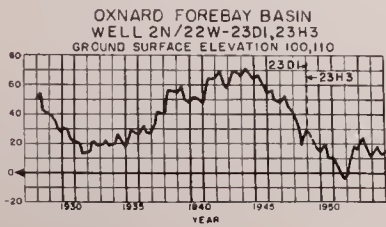
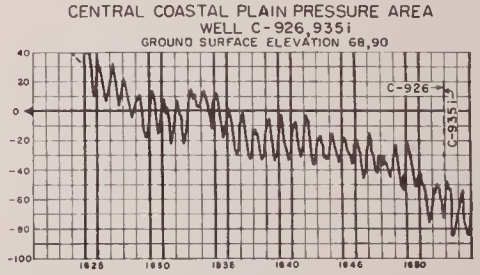
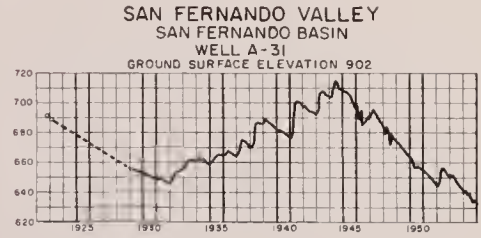
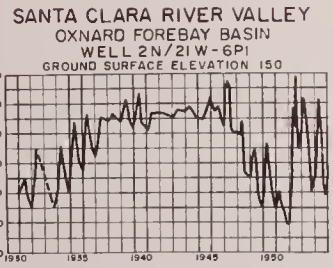
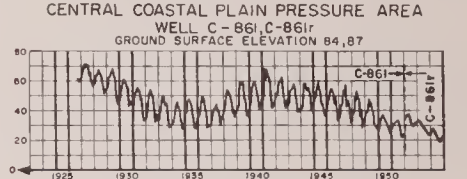
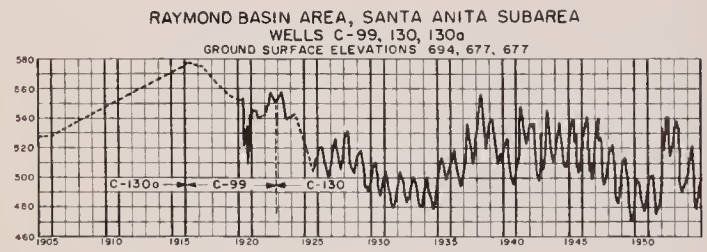
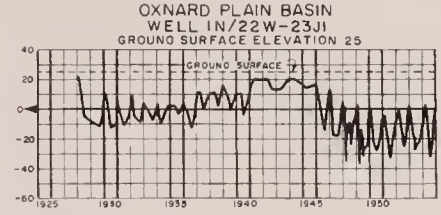
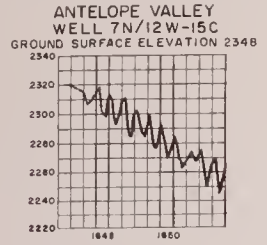
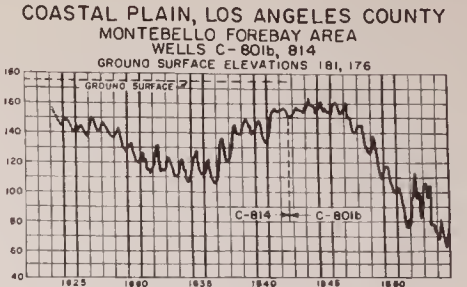
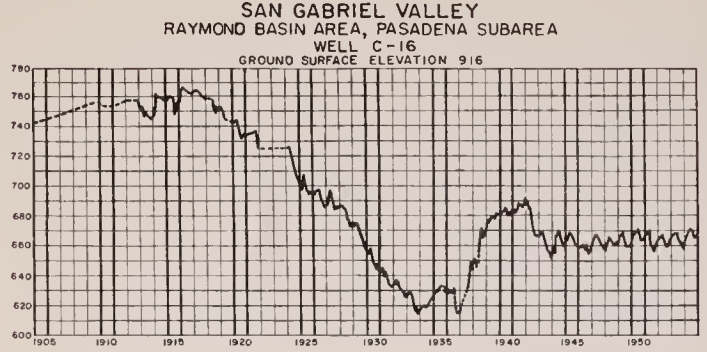
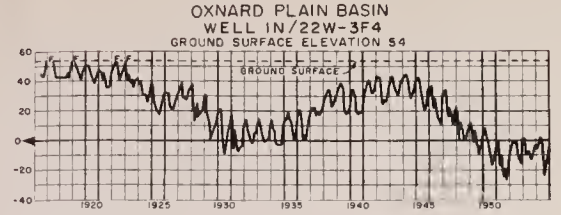
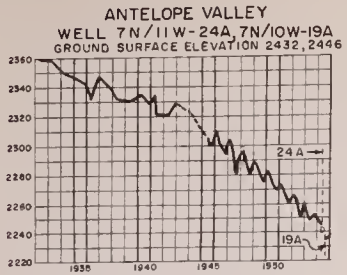
- | | |
|----------------------------|-----------------------------|
| 9-1 San Juan Valley | 9-11 Santa Maria Valley |
| 9-2 San Mateo Valley | 9-12 San Dieguito Valley |
| 9-3 San Joaquin Valley | 9-13 Poway Valley |
| 9-4 Santa Margarita Valley | 9-14 Mission Valley |
| 9-5 Temecula Valley | 9-15 San Diego River Valley |
| 9-6 Coachella Valley | 9-16 El Cajon Valley |
| 9-7 San Luis Rey Valley | 9-17 Sweetwater Valley |
| 9-8 Warner Valley | 9-18 Gray Valley |
| 9-9 Escondido Valley | 9-19 Tia Juana Basin |
| 9-10 San Paequal Valley | 9-20 Jamul Valley |

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 DIVISION OF WATER RESOURCES
 SOUTHERN CALIFORNIA AREA INVESTIGATION

LOCATION OF WELLS AT WHICH WATER LEVEL FLUCTUATIONS ARE SHOWN
 1954



ELEVATION OF WATER LEVELS AT KEY WELLS IN FEET — U. S. G. S. DATUM

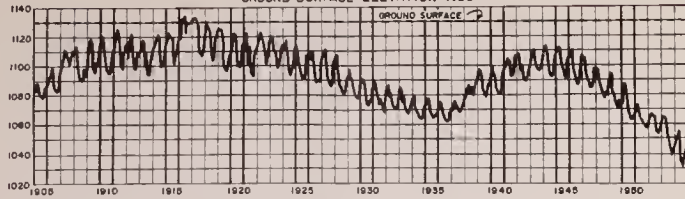


FLUCTUATION OF WATER LEVELS AT KEY WELLS

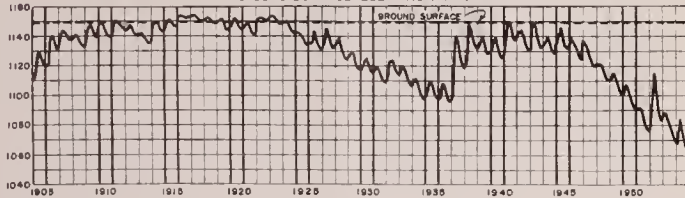
"P" INDICATES PERIOD DURING WHICH WELL FLOWED, "0" INDICATES PERIOD DURING WHICH WELL WAS DRY

ELEVATION OF WATER LEVELS AT KEY WELLS IN FEET - U. S. S. DATUM

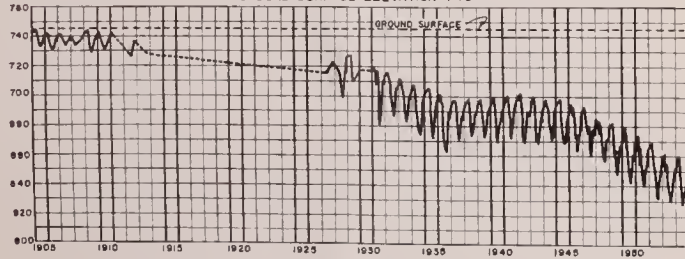
UPPER SANTA ANA VALLEY
BUNKER HILL BASIN
WELL E-37
GROUND SURFACE ELEVATION 1130



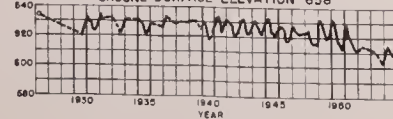
BUNKER HILL BASIN
WELL E-109
GROUND SURFACE ELEVATION 1149



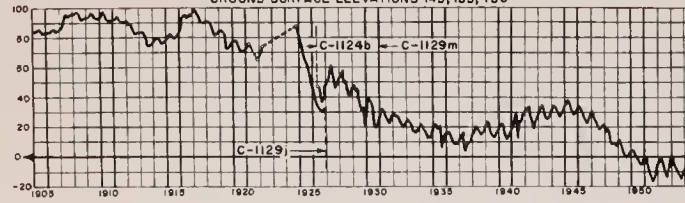
CHINO BASIN
WELL D-743Z
GROUND SURFACE ELEVATION 746



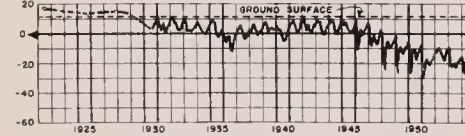
CHINO BASIN
WELL D-909
GROUND SURFACE ELEVATION 658



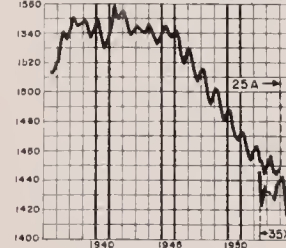
COASTAL PLAIN, ORANGE COUNTY
SANTA ANA FOREBAY AREA
WELLS C-1124b, 1129j, 1129m
GROUND SURFACE ELEVATIONS 145, 135, 136



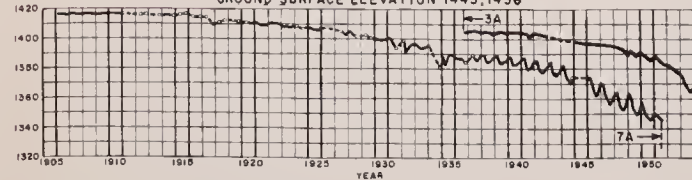
EAST COASTAL PLAIN PRESSURE AREA
WELL C-1257
GROUND SURFACE ELEVATION 12



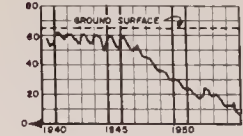
SAN JACINTO VALLEY
SAN JACINTO BASIN
WELL 4S/1W-25A, 35X
GROUND SURFACE ELEVATION 1566, 1576



SAN JACINTO BASIN
WELL 4S/2W-7A, 3A
GROUND SURFACE ELEVATION 1445, 1436



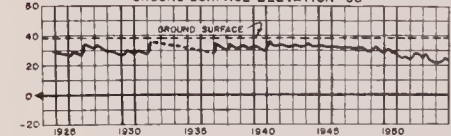
SAN LUIS REY VALLEY
WELL 11S/4W-9E1
GROUND SURFACE ELEVATION 65



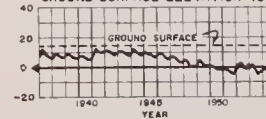
SAN LUIS REY VALLEY
WELL 11S/5W-13P2
GROUND SURFACE ELEVATION 21



TIA JUANA BASIN
WELL 19S/2W-2C3
GROUND SURFACE ELEVATION 38



TIA JUANA BASIN
WELL 19S/2W-5A1
GROUND SURFACE ELEVATION 15



FLUCTUATION OF WATER LEVELS
AT
KEY WELLS

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